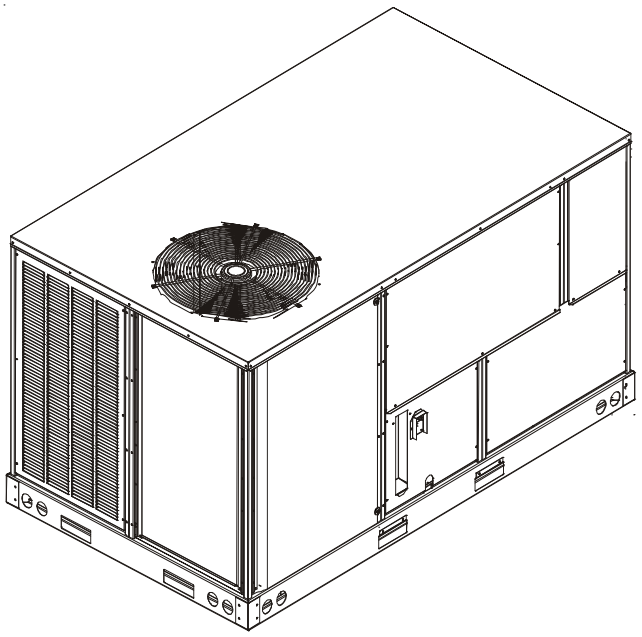
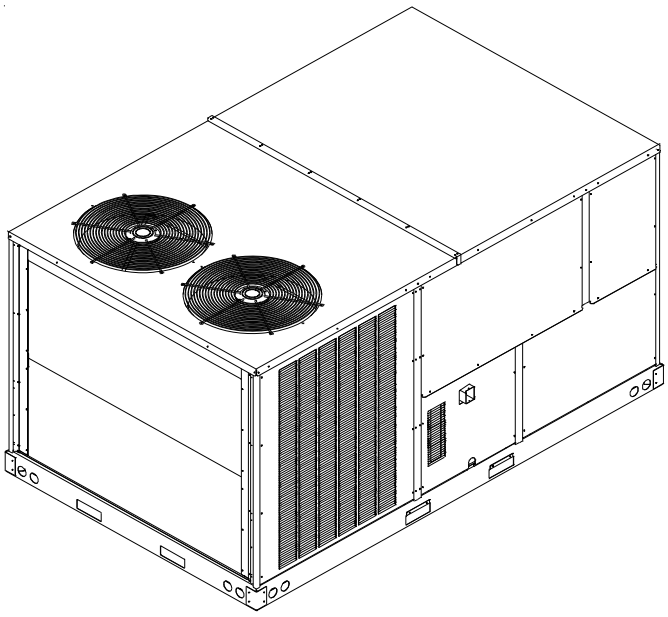
Goodman® TECHNICAL MANUAL

CPG Package Gas Units
208-230V 3-Phase, Multi-Position
3, 4, 5, 7.5, 8.5, 10 & 12.5 Tons with R410A

- Refer to Service Manual RS6412000 for installation, operation, and troubleshooting information.
- All safety information must be followed as provided in the Service Manual.
- Refer to the appropriate Parts Catalog for part number information.
- Models listed on page 3.





- A* REVISION -

This manual is to be used by qualified, professionally trained HVAC technicians only. Goodman does not assume any responsibility for property damage or personal injury due to improper service procedures performed by an unqualified person.

RT6412001r14
November 2011

Copyright © 2008 - 2011 Goodman Manufacturing Company, L.P.

PRODUCT IDENTIFICATION

The model number is used for positive identification of component parts used in manufacturing. Please use this number when requesting service or parts information.

C	P	C	072	015	3	B	X	X	X
1	2	3	4, 5, 6	7, 8, 9	10	11	12	13	14

Brand

C	Commercial

Configuration

P	Packaged Unit

Application

C	Cooling
G	Gas Heat
H	Heat Pump

Nominal Gross Cooling Capacity

036	3 Tons	102	8½ Tons
048	4 Tons	120	10 Tons
060	5 Tons	150	12½ Tons
072	6 Tons	180	15 Tons
090	7½ Tons	240	20 Tons

Nominal Heating Capacity

CPG		CPC/CPH	(Factory-Installed Electric Heat)		
045	45,000 BTU/h	XXX	No Heat		
070	70,000 BTU/h	010	10 kW	030	30 kW
090	90,000 BTU/h	015	15 kW	031	30 kW
115	115,000 BTU/h	016	15 kW	045	45 kW
140	140,000 BTU/h	018	18 kW	046	46 kW
210	210,000 BTU/h	020	20 kW	060	60 kW
350	350,000 BTU/h	025	25 kW	075	75 kW
400	400,000 BTU/h				

Voltage

1	208V 1-Phase	4	460V 3-Phase
2	220/240V 1-Phase 50 Hz	5	380/415V 3-Phase 50 Hz
3	208v 3-Phase	7	575V 3-Phaze

Factory-Installed Options

X	No Options
A	Non-powered convenience outlet
B	Powered convenience outlet
C	Low Ambient Kit
F	Non-powered convenience outlet; Low Ambient Kit
M	Powered convenience outlet; Low Ambient Kit

Factory-Installed Options

X	Standard Aluminized Heat Exchanger
A	Condenser Coil Hail Guard
B	Condenser Coil Hail Guard Treated Condenser Coil (UltraGold)
C	Condenser Coil Hail Guard Stainless Steel Heat Exchanger
D	Condenser Coil Hail Guard Treated Condenser Coil (UltraGold) Stainless Steel Heat Exchanger
J	Treated Condenser Coil (UltraGold)
S	Stainless Steel Heat Exchanger
T	Treated Condenser Coil (UltraGold) Stainless Steel Heat Exchanger

Factory-Installed Options

X	No Options
A	Downflow Economizer

Supply Fan/Drive Type/Motors

B	Belt Drive
D	Direct Drive
H	High-Static Belt Drive (Factory-Installed)

PRODUCT IDENTIFICATION

The model number is used for positive identification of component parts used in manufacturing. Please use this number when requesting service or parts information. *NOTE: All unit combinations are not listed below. Models where performance does not change are not listed individually.*

CPG0360703BXXX
CPG0361053BXXX

CPG0480703BXXX
CPG0481053BXXX

CPG0601403BXXX
CPG0601403BXXX

CPG0902103BXXX
CPG0902103BAXX

CPG0360703DXXX
CPG0361053DXXX

CPG0480703DXXX
CPG0481053DXXX

CPG0600703BXXX
CPG0601403DXXX

CPG0902103HXXX

CPG1022103BX*X
CPG1022103HXXX

CPG1202103BXXX
CPG1202103BXSX
CPG1202103BAXX

CPG1502103BXXX
CPG1502103BAXX

CPG1502103BAAB

CPG1202103HXXX
CPG1502103HXXX

⚠ WARNING

HIGH VOLTAGE!

Disconnect ALL power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury or death.

⚠ WARNING **Goodman will not be responsible for any injury or property damage arising from improper service or service procedures. If you install or perform service on this unit, you assume responsibility for any personal injury or property damage which may result. Many jurisdictions require a license to install or service heating and air conditioning equipment.**

⚠ WARNING **Installation and repair of this unit should be performed ONLY by individuals meeting (at a minimum) the requirements of an "entry level technician" as specified by the Air-Conditioning, Heating, and Refrigeration Institute (AHRI). Attempting to install or repair this unit without such background may result in product damage, personal injury or death.**

⚠ WARNING **The United States Environmental Protection Agency (“EPA”) has issued various regulations regarding the introduction and disposal of refrigerants introduced into this unit. Failure to follow these regulations may harm the environment and can lead to the imposition of substantial fines. These regulations may vary by jurisdiction. Should questions arise, contact your local EPA office.**

⚠ WARNING **Do not connect or use any device that is not design certified by Goodman for use with this unit. Serious property damage, personal injury, reduced unit performance and/or hazardous conditions may result from the use of such non-approved devices.**

⚠ WARNING **To prevent the risk of property damage, personal injury, or death, do not store combustible materials or use gasoline or other flammable liquids or vapors in the vicinity of this appliance.**

PRODUCT DESIGN

CPG Light Commercial Package Gas Units are designed for outdoor installations only, primarily in light commercial applications and are available in 208-230 volt single phase, 208-230 volt three phase, 460 volt three phase and 575 volt three phase in 3 thru 5 ton sizes with 1 compressor and 7.5, 8.5, 10 and 12.5 tons with 2 compressors.

The connecting ductwork (Supply and Return) can be connected for either horizontal or vertical airflow. In the vertical application, a matching Roof Curb is recommended.

Filters are factory supplied in the return air compartment upstream from the indoor coil. The minimum filter area should not be less than those sizes listed in the Specification Section. Under no circumstances should the unit be operated without return air filters.

A 3/4" pipe is provided for removal of condensate water from the indoor coil. (Do not reduce the drain line size).

Refrigerant flow control is achieved by use of flowrator.

CPG13 units use the FasTest Access Fitting System which consists of a saddle that is either soldered to the suction and liquid lines or is fastened with a locking nut to the access fitting box (core) and then screwed into the saddle. **NOTE: The core must not be removed from the saddle until the refrigerant charge has been removed. Failure to do so could result in property damage or personal injury.**

CPG***XX3**D** indoor blower motors are PSC type motors with the exception of CPG060XXX3**D** units which have X-13 indoor blower motors that are energized by a 24V signal from the thermostat and are constant torque motors with very low power consumption. The X-13 features an integral control module.

CPG***XXX3**B** units have PSC type belt drive indoor blower motors that are energized through the blower motor contactor.

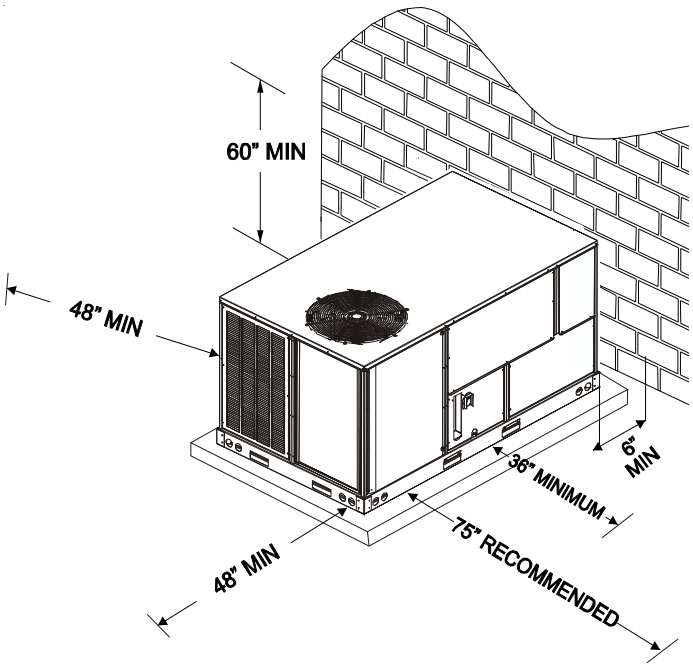
Air for condensing (cooling cycle) is drawn through the outdoor coil by a propeller fan, and is discharged vertically out the top of the unit. The outdoor coil is designed for .0 static. No additional restriction (ductwork) shall be applied.

Conditioned air is drawn through the filter(s), across the coil and back into the conditioned space by the indoor blower.

The CPG series package units use the Compliant Scroll compressor; there are a number of design characteristics which are different from the traditional reciprocating compressor.

- Due to their design Scroll compressors are inherently more tolerant of liquid refrigerant. **NOTE**: Even though the compressor section of a Scroll compressor is more tolerant of liquid refrigerant, continued flood back or flooded start conditions may wash oil from the bearing surfaces causing premature bearing failure.
- These Scroll compressors use "POE" or polyolester oil which is NOT compatible with mineral oil based lubricants like 3GS. "POE" oil must be used if additional oil is required.
- Compliant scroll compressors perform “quiet” shutdowns that allow the compressor to restart immediately without the need for a time delay. This compressor will restart even if the system has not equalized.
- Operating pressures and amp draws may differ from standard reciprocating compressors. This information may be found in the “Cooling Performance Data” section.

Location and Clearances

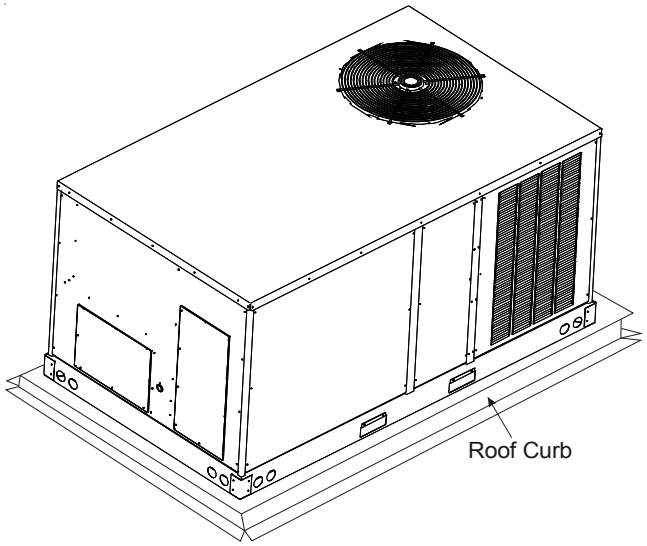


Outside Slab - Multi-positional

NOTE: A clearance of 48" is recommended on all sides of the unit and 75" total clearance is recommended on the main control panel side to facilitate possible fan shaft, coil, electric heat and gas furnace removal. See figure above.

Roof overhang should be no more than 36" and provisions made to deflect the warm discharge air out from the overhang. Minimum clearances are required to avoid air recirculation and keep the unit operating at peak efficiency.

PRODUCT DESIGN



Rooftop Installation - Multi-positional

In installations where the unit is installed above ground level and not serviceable from the ground (Example: Roof Top installations) the installer must provide service platform for service person with rails or guards in accordance with local codes or ordinances or in their absence with the latest edition of the National Fuel Gas Code ANSIZ223.1.

NOTE: Unit can also use roof curb (and platform for leveling, where necessary) to utilize bottom discharge.

WARNING

To prevent possible property damage, the unit should remain in an upright position during all rigging and moving operations. To facilitate lifting and moving if a crane is used, place the unit in an adequate cable sling.

IMPORTANT: If using bottom discharge with roof curb, ductwork should be attached to the curb prior to installing the unit.

Refer to Roof Curb Installation Instructions for proper curb installation. Curbing must be installed in compliance with the National Roofing Contractors Association Manual.

Corner & Center of Gravity Locations

NOTES:

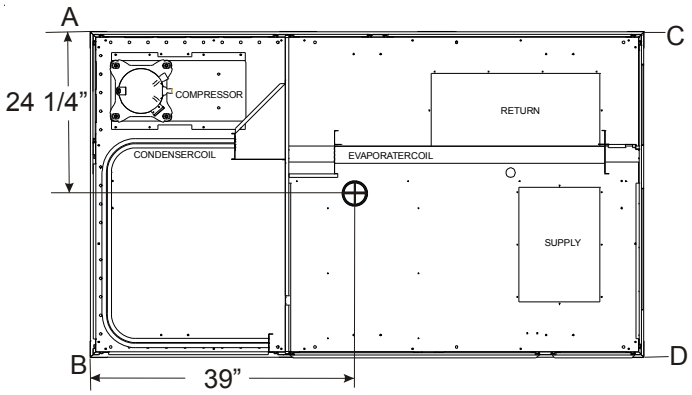
1. Weights are for basic gas unit; no options.
2. Center of gravity's weight are for gas units without options.

Provisions for forks have been included in the unit base frame on three sides. If unit is moved by forklift, no other fork locations are approved.

CAUTION

If units are lifted two at a time, the fork holes on the condenser end of the unit must NOT be used. Minimum fork length is **42"** to prevent damage to the unit; however, **48"** is recommended.

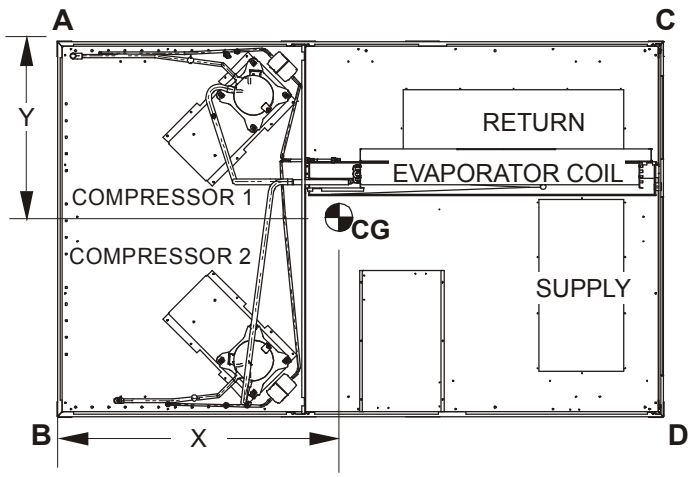
DATA	CPG Weights (lbs)		
	036	048	060
Corner Weight - A	178	179	188
Corner Weight - B	183	184	187
Corner Weight - C	148	149	153
Corner Weight - D	151	153	155
Unit Shipping Weight	680	685	700
Unit Operating Weight	660	665	680



CENTER OF GRAVITY - 3 - 5 TONS

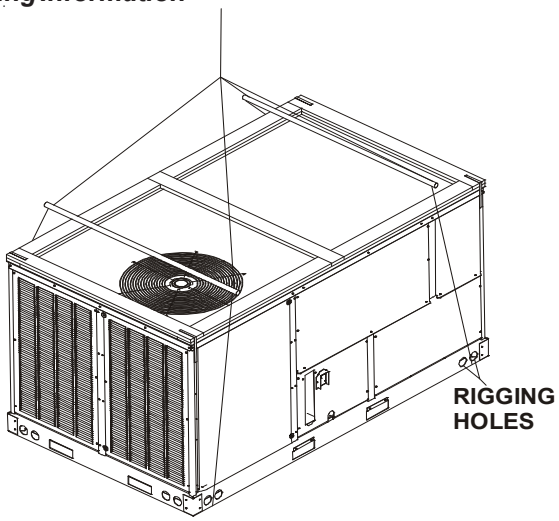
PRODUCT DESIGN

DATA	CPG Weights (lbs)		
	090/102	120	150
Corner Weight - A	195	230	335
Corner Weight - B	270	330	390
Corner Weight - C	240	280	295
Corner Weight - D	330	405	345
Unit Shipping Weight	1055	1275	1390
Unit Operating Weight	1030	1235	1365
X (Inches)	55	55	47
Y (Inches)	36	36	33.5



CENTER OF GRAVITY - 7.5 - 12.5 TONS

Rigging Information



1. Unit must be lifted by the four lifting holes located at the 1. Unit must be lifted by the four lifting holes located at the base frame corners.
2. Lifting cables should be attached to the unit with shackles.
3. The distance between the crane hook and the top of the unit must not be less than 60”.
4. Two spreader bars must span over the unit to prevent damage to the cabinet by the lift cables. Spreader bars must be of sufficient length so that cables do not come in contact with the unit during transport. Remove wood struts mounted beneath unit base frame before setting unit on roof curb. These struts are intended to protect unit base frame from forklift damage. Removal is accomplished by extracting the sheet metal retainers and pulling the struts through the base of the unit. Refer to rigging label on the unit.

CAUTION

To prevent severe damage to the bottom of the unit, do not forklift unit after wood struts have been removed.

PRODUCT DESIGN

High Altitude Derate - U.S. Installations Only

IMPORTANT NOTE: The gas/electric units naturally derate with altitude. Do not attempt to increase the firing rate by changing orifices or increasing the manifold pressure. This can cause poor combustion and equipment failure. At all altitudes, the manifold pressure must be within 0.3 inches W.C. of that listed on the nameplate for the fuel used. At all altitudes and with either fuel, the air temperature rise must be within the range listed on the unit nameplate. Refer to the Installation Manual provided with the LP kit for conversion from natural gas to propane gas and for altitude adjustments.

When this package unit is installed at high altitude, the appropriate High Altitude orifice kit must be installed. As altitude increases, there is a natural reduction in the density of both the gas fuel and combustion air. This kit will provide the proper design certified input rate within the specified altitude range. High altitude kits are not approved for use in Canada. For installations above 2,000 feet, use kit HAKT36300. The HAKT36300 kit is used for both Natural and LP gas at high altitudes.

Use LPKT36150 or LPKT180300 propane conversion kit for propane conversions at altitudes below 2000 feet. Natural gas installations below 2000 feet do not require a kit.

For propane conversions above 2000 feet, high altitude kit HAKT36300 is required in addition to LPKT36150 or LPKT180300 propane conversion kit.

NATURAL GAS AND LP GAS INSTALLATIONS AT ALTITUDES > 2000 FT.

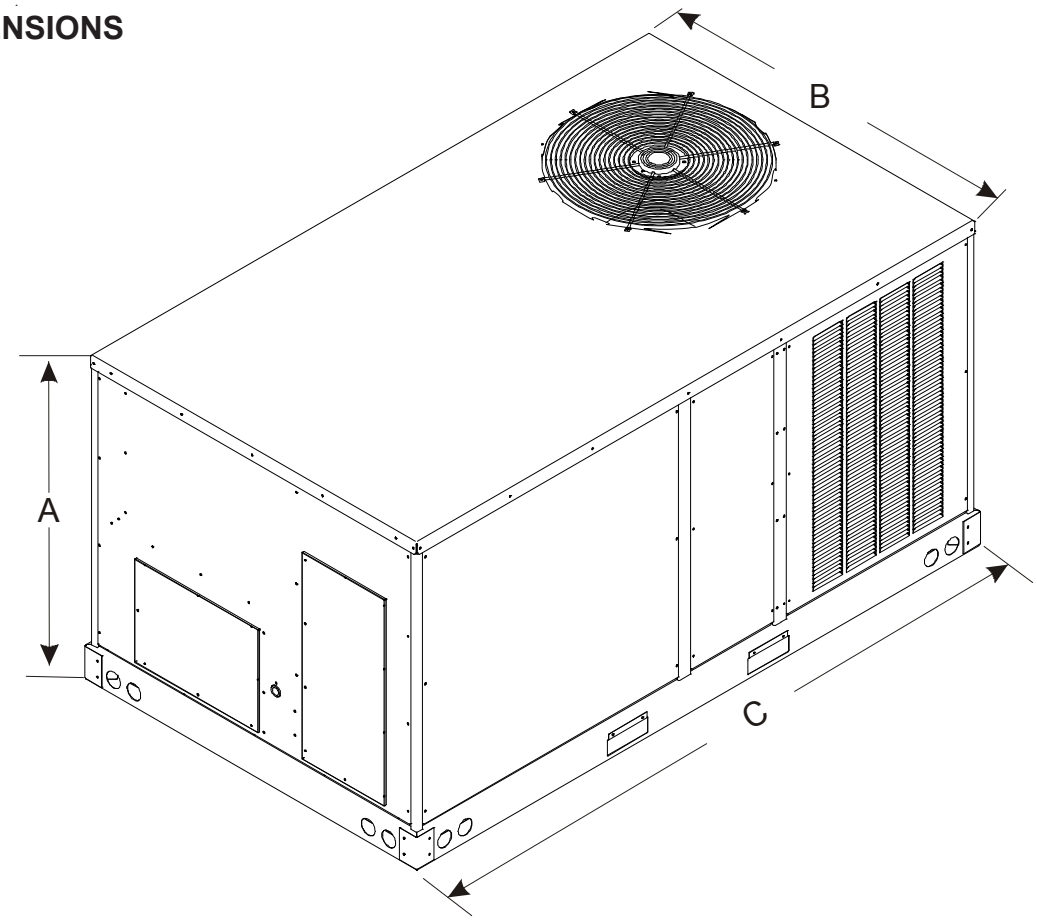
INPUT/BURNER	HIGH ALTITUDE KIT	35,000 BTUH NAT/33,000 BTUH/L.P.							
		ELEVATION ABOVE SEA-LEVEL (FEET)							
		2000	3000	4000	4500	5000	6000	7000	8000
U.S. BURNER ORIFICE	HAKT36300	35/53	36/53	36/53	-	37/53	37/53	38/53	39/54
CANADA BURNER ORIFICE	HAKT36300	35/53	-	-	39/54	-	-	-	-

INPUT/BURNER	HIGH ALTITUDE KIT	50,000 BTUH NAT/45,000 BTUH/L.P.							
		ELEVATION ABOVE SEA-LEVEL (FEET)							
		2000	3000	4000	4500	5000	6000	7000	8000
U.S. BURNER ORIFICE	HAKT36300	29/48	30/48	30/49	-	30/49	30/49	31/50	31/50
CANADA BURNER ORIFICE	HAKT36300	29/48	-	-	31/50	-	-	-	-

PRODUCT DIMENSIONS

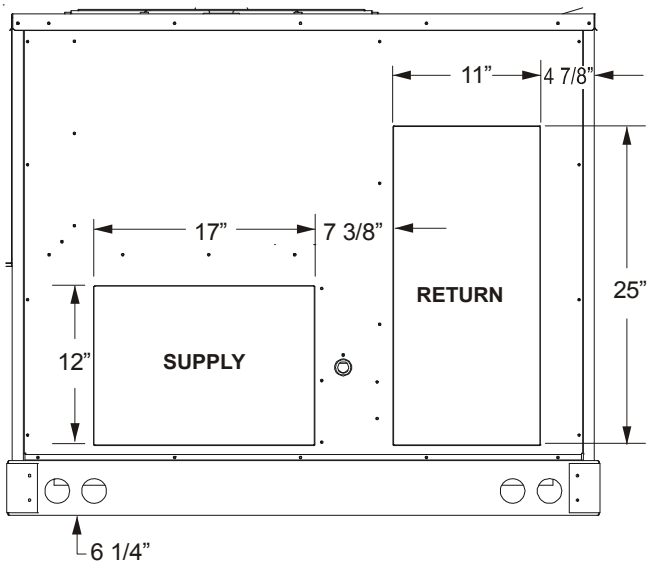
CPG[036-060]XXX3*XXX

UNIT DIMENSIONS

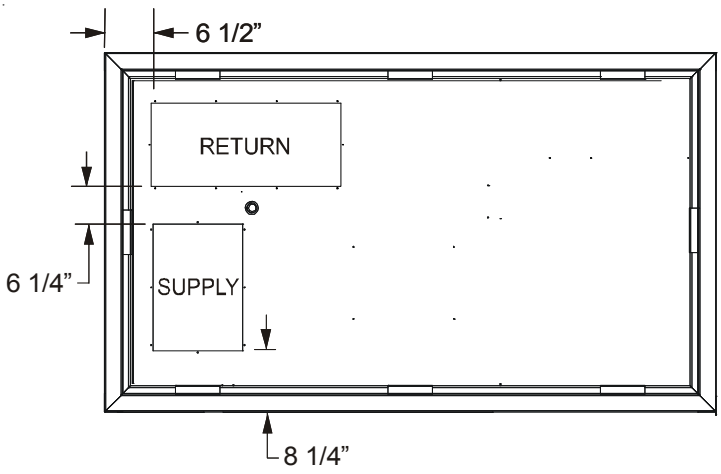


CPG***XXX**XXX				
Chassis	**Models**	**A**	**B**	**C**
#1	3-5 Tons	40-7/8"	48-1/2"	81-1/4"

HORIZONTAL DISCHARGE



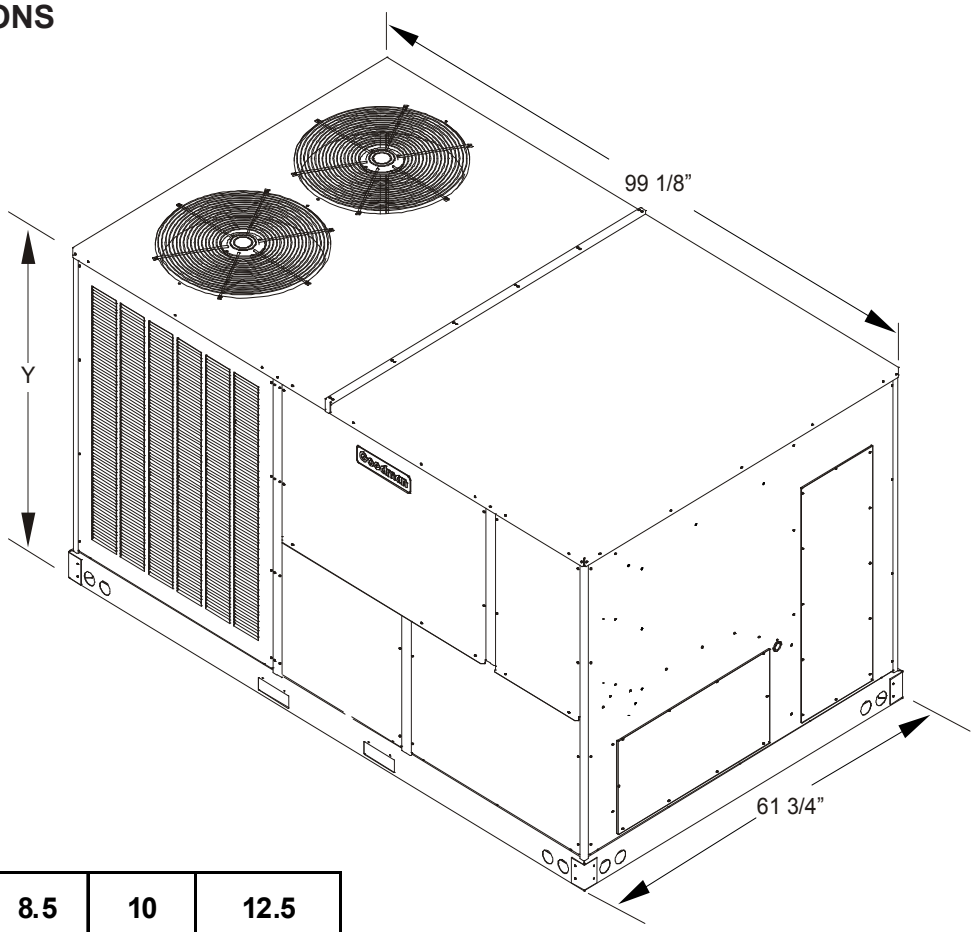
VERTICAL DISCHARGE



BOTTOM OF UNIT

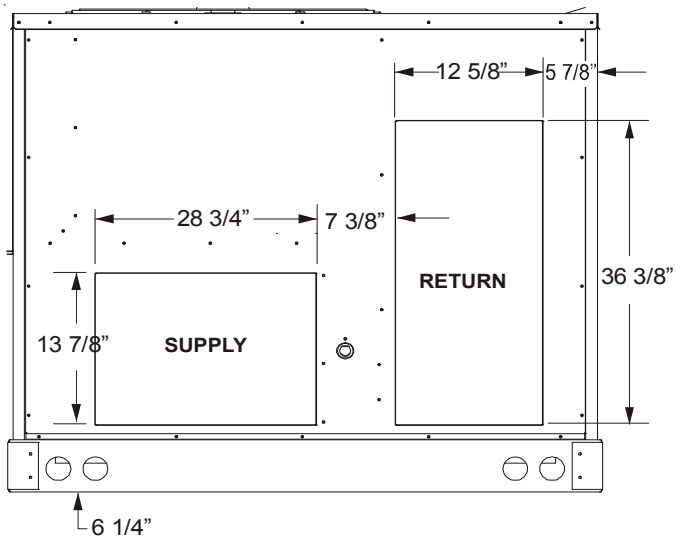
PRODUCT DIMENSIONS CPG[090-150]XXX3****

UNIT DIMENSIONS

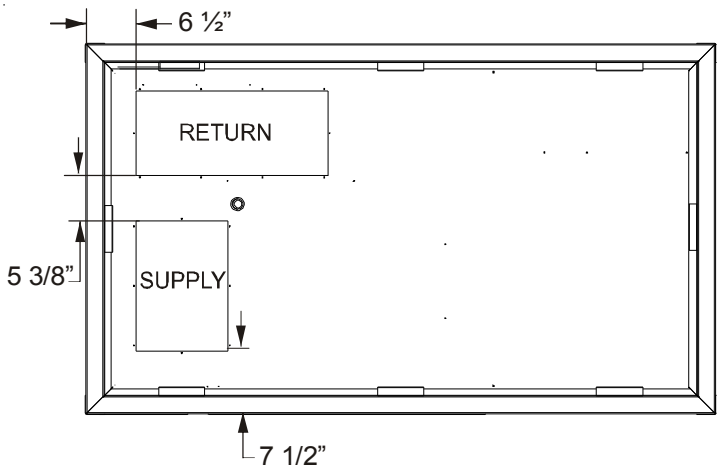


	7.5	8.5	10	12.5
Y	52 7/8"	52 7/8"	52 7/8"	58 7/8"

HORIZONTAL DISCHARGE



VERTICAL DISCHARGE



BOTTOM OF UNIT

PACKAGE GAS SPECIFICATIONS CPG036XXX3BXXX

		CPG0360703BXXX	CPG0361053BXXX
COOLING CAPACITY	COOLING CAPACITY, BTUH	35,000	35,000
	SEER/EER	13/11.3	13/11.3
HEATING CAPACITY	HEATING INPUT	70,000	70,000
	HEATING OUTPUT	56,000	56,000
	STEADY STATE EFFY %	80	80
	TEMPERATURE RISE (°F)	25 - 55	40 - 70
UNIT ELECTRICAL SPECIFICATION	VOLTAGE (NAMEPLATE)	208-230/3/60	208-230/3/60
	UNIT AMPS (TOTAL)	15.65	15.65
	MINIMUM CIRCUIT AMPACITY	18	18
	MAXIMUM OVERCURRENT PROTECTION(2)	25	25
HEATING SECTION	NUMBER OF BURNERS	2	3
	ORIFICE SIZE NATURAL	34	34
	ORIFICE SIZE LP	52	52
	PRESSURE SWITCH SETTING	0.34	0.34
COMPRESSOR	TYPE	SCROLL	SCROLL
	RATED LOAD AMPS	10.4	10.4
	LOCKED ROTOR AMPS	73	73
CONDENSER FAN MOTOR	HORSEPOWER	1/4	1/4
	RPM	1090	1090
	RATED LOAD AMPS	1.4	1.4
	LOCKED ROTOR AMPS	2.9	2.9
CONDENSER FAN	BLADE DIAMETER(") / # OF BLADES	22/4	22/4
	NOMINAL CFM	3,800	3,800
CONDENSER COIL	FACE AREA - SQ. FT.	18	18
	NUMBER OF ROWS	1	1
	FINS PER INCH	22	22
EVAPORATOR BLOWER MOTOR	HORSEPOWER - TYPE - STANDARD	1.0 - STD STATIC BELT DRIVE	1.0 - STD STATIC BELT DRIVE
	NO. OF SPEEDS	1	1
	RATED LOAD AMPS	3.8	3.8
	LOCKED ROTOR AMPS	10.9	10.9
	MOTOR SPEED TAP - COOLING	---	---
	RPM	1725	1725
EVAPORATOR BLOWER	DIAMETER X WIDTH (INCHES)	11 X 10	11 X 10
	RATED SCFM COOLING	1200	1200
	MAX EXTERNAL STATIC PRESS ("w.c.)	0.7	0.7
EVAPORATOR COIL	FACE AREA - SQ. FT.	5.4	5.4
	NUMBER OF ROWS	3	3
	FINS PER INCH	16	16
HEATING LIMITS	PRIMARY LIMIT SETTING (°F)	200	200
	AUXILIARY LIMIT SETTING (°F)	160	160
	ROLLOUT LIMIT SETTING (°F)	350	350
GENERAL INFORMATION	FILTER SIZE	(4) 14 X 20 x 2	(4) 14 X 20 x 2
	DRAIN SIZE (INCHES)	3/4"	3/4"
	EXPANSION DEVICE	Orifice (0.068)	Orifice (0.068)
	REFRIGERANT CHARGE R-410A (Oz.)	90	88
	POWER SUPPLY ENTRANCE SIZE (INCHES)	Locating Dimple	Locating Dimple
	LOW VOLTAGE ENTRANCE SIZE (INCHES)	Locating Dimple	Locating Dimple
	LOW PRESSURE SWITCH (OPEN/CLOSE-PSIG)	22/50	22/50
	HIGH PRESSURE SWITCH (OPENS-PSIG)	660	660
	SHIPPING WEIGHT LBS.	680	680
	OPERATING WEIGHT LBS.	660	660

(1) Units installed in Canada are certifed only to 4500 feet.
(2) Maximum Overcurrent Protection Device: **MUST** use Time Delay Fuse or HACR type Circuit Breaker of the same size as noted.
Note: Always check the S&R plate for electrical data on the unit being installed.

IMPORTANT: While this data is presented as a guide, it is important to electrically connect the unit and properly size wires and fuses/circuit breakers in accordance with the National Electrical Code and/or all local codes.

PACKAGE GAS SPECIFICATIONS CPG036XXX3DXXX

		CPG0360703DXXX	CPG0361053DXXX
COOLING CAPACITY	COOLING CAPACITY, BTUH	35,000	35,000
	SEER/EER	13/11.3	13/11.3
HEATING CAPACITY	HEATING INPUT	70,000	70,000
	HEATING OUTPUT	56,000	56,000
	STEADY STATE EFFY %	80	80
	TEMPERATURE RISE (°F)	25 - 55	40 - 70
UNIT ELECTRICAL SPECIFICATION	VOLTAGE (NAMEPLATE)	208-230/3/60	208-230/3/60
	UNIT AMPS (TOTAL)	14.3	14.3
	MINIMUM CIRCUIT AMPACITY	17	17
	MAXIMUM OVERCURRENT PROTECTION(2)	25	25
HEATING SECTION	NUMBER OF BURNERS	2	3
	ORIFICE SIZE NATURAL	34	34
	ORIFICE SIZE LP	52	52
	PRESSURE SWITCH SETTING	0.34	0.34
COMPRESSOR	TYPE	SCROLL	SCROLL
	RATED LOAD AMPS	10.4	10.4
	LOCKED ROTOR AMPS	73	73
CONDENSER FAN MOTOR	HORSEPOWER	1/4	1/4
	RPM	1090	1090
	RATED LOAD AMPS	1.4	1.4
	LOCKED ROTOR AMPS	2.9	2.9
CONDENSER FAN	BLADE DIAMETER(") / # OF BLADES	22/4	22/4
	NOMINAL CFM	3,800	3,800
CONDENSER COIL	FACE AREA - SQ. FT.	18	18
	NUMBER OF ROWS	1	1
	FINS PER INCH	22	22
EVAPORATOR BLOWER MOTOR	HORSEPOWER - TYPE - STANDARD	1/3 - DIRECT DRIVE	1/3 - DIRECT DRIVE
	NO. OF SPEEDS	PSC - 3	PSC- 3
	RATED LOAD AMPS	2.5	2.5
	LOCKED ROTOR AMPS	3.3	3.3
	MOTOR SPEED TAP - COOLING	LOW SPEED	LOW SPEED
	RPM	890	890
EVAPORATOR BLOWER	DIAMETER X WIDTH (INCHES)	10 x 9	10 x 9
	RATED SCFM COOLING	1200	1200
	MAX EXTERNAL STATIC PRESS ("w.c.)	0.5	0.5
EVAPORATOR COIL	FACE AREA - SQ. FT.	5.4	5.4
	NUMBER OF ROWS	3	3
	FINS PER INCH	16	16
HEATING LIMITS	PRIMARY LIMIT SETTING (°F)	200	200
	AUXILIARY LIMIT SETTING (°F)	160	160
	ROLLOUT LIMIT SETTING (°F)	350	350
GENERAL INFORMATION	FILTER SIZE	(4) 14 X 20 x 2	(4) 14 X 20 x 2
	DRAIN SIZE (INCHES)	3/4"	3/4"
	EXPANSION DEVICE	Orifice (0.068)	Orifice (0.068)
	REFRIGERANT CHARGE R-410A (Oz.)	88	90
	POWER SUPPLY ENTRANCE SIZE (INCHES)	Locating Dimple	Locating Dimple
	LOW VOLTAGE ENTRANCE SIZE (INCHES)	Locating Dimple	Locating Dimple
	LOW PRESSURE SWITCH (OPEN/CLOSE-PSIG)	22/50	22/50
	HIGH PRESSURE SWITCH (OPENS-PSIG)	660	660
	SHIPPING WEIGHT LBS.	680	680
	OPERATING WEIGHT LBS.	660	660

(1) Units installed in Canada are certifed only to 4500 feet.
(2) Maximum Overcurrent Protection Device: **MUST** use Time Delay Fuse or HACR type Circuit Breaker of the same size as noted.
Note: Always check the S&R plate for electrical data on the unit being installed.

IMPORTANT: While this data is presented as a guide, it is important to electrically connect the unit and properly size wires and fuses/circuit breakers in accordance with the National Electrical Code and/or all local codes.

PACKAGE GAS SPECIFICATIONS CPG048XXX3BXXX

		CPG0480703BXXX	CPG0481053BXXX
COOLING	COOLING CAPACITY, BTUH	46,000	46,000
CAPACITY	SEER/EER	13/11.3	13/11.3
HEATING	HEATING INPUT	70,000	105,000
CAPACITY	HEATING OUTPUT	56,000	84,000
	STEADY STATE EFFY %	80	80
	TEMPERATURE RISE (°F)	25 - 55	25 - 55
UNIT	VOLTAGE (NAMEPLATE)	208-230/3/60	208-230/3/60
ELECTRICAL	UNIT AMPS (TOTAL)	18.3	18.3
SPECIFICATION	MINIMUM CIRCUIT AMPACITY	22	22
	MAXIMUM OVERCURRENT PROTECTION(3)	30	30
HEATING	NUMBER OF BURNERS	2	3
SECTION	ORIFICE SIZE NATURAL	34	34
	ORIFICE SIZE LP	52	52
	PRESSURE SWITCH SETTING	0.34	0.34
COMPRESSOR	TYPE	SCROLL	SCROLL
	RATED LOAD AMPS	13.1	13.1
	LOCKED ROTOR AMPS	83.1	83.1
CONDENSER	HORSEPOWER	1/4	1/4
FAN MOTOR	RPM	1090	1090
	RATED LOAD AMPS	1.40	1.40
	LOCKED ROTOR AMPS	2.9	2.9
CONDENSER	BLADE DIAMETER(") / # OF BLADES	22/4	22/4
FAN	NOMINAL CFM	3,800	3,800
CONDENSER	FACE AREA - SQ. FT.	18	18
COIL	NUMBER OF ROWS	1	1
	FINS PER INCH	22	22
EVAPORATOR	HORSEPOWER - TYPE - STANDARD	1.0 - STD STATIC BELT DRIVE	1.0 - STD STATIC BELT DRIVE
BLOWER	NO. OF SPEEDS	PSC - 3	PSC - 3
MOTOR	RATED LOAD AMPS	3.8	3.8
	LOCKED ROTOR AMPS	10.9	10.9
	MOTOR SPEED TAP - COOLING	---	---
	RPM	1725	1725
EVAPORATOR	DIAMETER X WIDTH (INCHES)	11 x 10	11 x 10
BLOWER	RATED SCFM COOLING	1600	1600
	MAX EXTERNAL STATIC PRESS ("w.c.)	0.8	0.8
EVAPORATOR	FACE AREA - SQ. FT.	7.8	7.8
COIL	NUMBER OF ROWS	4	4
	FINS PER INCH	16	16
HEATING	PRIMARY LIMIT SETTING (°F)	200	200
LIMITS	AUXILIARY LIMIT SETTING (°F)	160	160
	ROLLOUT LIMIT SETTING (°F)	350	350
GENERAL	FILTER SIZE - SQ. FT.(2)	(4) 14 X 20 x 2	(4) 14 X 20 x 2
INFORMATION	DRAIN SIZE (INCHES)	3/4"	3/4"
	EXPANSION DEVICE	Orifice (0.076)	Orifice (0.076)
	REFRIGERANT CHARGE R-410A (Oz.)	110	110
	POWER SUPPLY ENTRANCE SIZE (INCHES)	Locating Dimple	Locating Dimple
	LOW VOLTAGE ENTRANCE SIZE (INCHES)	Locating Dimple	Locating Dimple
	LOW PRESSURE SWITCH (OPEN/CLOSE-PSIG)	22/50	22/50
	HIGH PRESSURE SWITCH (OPENS-PSIG)	660	660
	SHIPPING WEIGHT LBS.	685	685
	OPERATING WEIGHT LBS.	665	665

(1) Units installed in Canada are certifed only to 4500 feet.
(2) Maximum Overcurrent Protection Device: **MUST** use Time Delay Fuse or HACR type Circuit Breaker of the same size as noted.
IMPORTANT: While this data is presented as a guide, it is important to electrically connect the unit and properly size wires and fuses/circuit breakers in accordance with the National Electrical Code and/or all local codes.

PACKAGE GAS SPECIFICATIONS CPG048XXX3DXXX

		CPG0480703DXXX	CPG0481053DXXX
COOLING	COOLING CAPACITY, BTUH	46,000	46,000
CAPACITY	SEER/EER	13/11.3	13/11.3
HEATING	HEATING INPUT	70,000	105,000
CAPACITY	HEATING OUTPUT	56,000	84,000
	STEADY STATE EFFY %	80	80
	TEMPERATURE RISE (°F)	25 - 55	25 - 55
UNIT	VOLTAGE (NAMEPLATE)	208-230/3/60	208-230/3/60
ELECTRICAL	UNIT AMPS (TOTAL)	17.4	17.4
SPECIFICATION	MINIMUM CIRCUIT AMPACITY	21	21
	MAXIMUM OVERCURRENT PROTECTION(2)	30	30
HEATING	NUMBER OF BURNERS	2	3
SECTION	ORIFICE SIZE NATURAL	34	34
	ORIFICE SIZE LP	52	52
	PRESSURE SWITCH SETTING	0.34	0.34
COMPRESSOR	TYPE	SCROLL	SCROLL
	RATED LOAD AMPS	13.1	13.1
	LOCKED ROTOR AMPS	83.1	83.1
CONDENSER	HORSEPOWER	1/4	1/4
FAN MOTOR	RPM	1090	1090
	RATED LOAD AMPS	1.40	1.40
	LOCKED ROTOR AMPS	2.9	2.9
CONDENSER FAN	BLADE DIAMETER(") / # OF BLADES	22/4	22/4
	NOMINAL CFM	3,800	3,800
CONDENSER	FACE AREA - SQ. FT.	18	18
COIL	NUMBER OF ROWS	1	1
	FINS PER INCH	22	22
EVAPORATOR	HORSEPOWER - TYPE - STANDARD	1.0 - STD STATIC BELT DRIVE	1.0 - STD STATIC BELT DRIVE
BLOWER	NO. OF SPEEDS	PSC - 3	PSC - 3
MOTOR	RATED LOAD AMPS	2.87	2.87
	LOCKED ROTOR AMPS	4.8	4.8
	MOTOR SPEED TAP - COOLING	Medium	Medium
	RPM	1000	1000
EVAPORATOR	DIAMETER X WIDTH (INCHES)	10 X 9	10 X 9
BLOWER	RATED SCFM COOLING	1600	1600
	MAX EXTERNAL STATIC PRESS ("w.c.)	0.6	0.6
EVAPORATOR	FACE AREA - SQ. FT.	7.8	7.8
COIL	NUMBER OF ROWS	4	4
	FINS PER INCH	16	16
HEATING	PRIMARY LIMIT SETTING (°F)	200	200
LIMITS	AUXILIARY LIMIT SETTING (°F)	160	160
	ROLLOUT LIMIT SETTING (°F)	350	350
GENERAL	FILTER SIZE	(4) 14 X 20 x 2	(4) 14 X 20 x 2
INFORMATION	DRAIN SIZE (INCHES)	3/4"	3/4"
	EXPANSION DEVICE	Orifice (0.076)	Orifice (0.076)
	REFRIGERANT CHARGE R-410A (Oz.)	110	108
	POWER SUPPLY ENTRANCE SIZE (INCHES)	Locating Dimple	Locating Dimple
	LOW VOLTAGE ENTRANCE SIZE (INCHES)	Locating Dimple	Locating Dimple
	LOW PRESSURE SWITCH (OPEN/CLOSE-PSIG)	22/50	22/50
	HIGH PRESSURE SWITCH (OPENS-PSIG)	660	660
	SHIPPING WEIGHT LBS.	685	685
	OPERATING WEIGHT LBS.	665	665

(1) Units installed in Canada are certifed only to 4500 feet.
(2) Maximum Overcurrent Protection Device: **MUST** use Time Delay Fuse or HACR type Circuit Breaker of the same size as noted.
IMPORTANT: While this data is presented as a guide, it is important to electrically connect the unit and properly size wires and fuses/circuit breakers in accordance with the National Electrical Code and/or all local codes.

PACKAGE GAS SPECIFICATIONS CPG060XXX3BXXX

		CPG0600703BXXX	CPG0601403BXXX
COOLING	COOLING CAPACITY, BTUH	59,500	59,500
CAPACITY	SEER/EER	13/11.3	13/11.3
HEATING	HEATING INPUT	70,000	140,000
CAPACITY	HEATING OUTPUT	56,000	112,000
	STEADY STATE EFFY %	80	80
	TEMPERATURE RISE (°F)	30 - 60	35 - 65
UNIT	VOLTAGE (NAMEPLATE)	208-230/3/60	208-230/3/60
ELECTRICAL	UNIT AMPS (TOTAL)	21.2	21.2
SPECIFICATION	MINIMUM CIRCUIT AMPACITY	25	25
	MAXIMUM OVERCURRENT PROTECTION(2)	40	40
HEATING	NUMBER OF BURNERS	2	4
SECTION	ORIFICE SIZE NATURAL	34	34
	ORIFICE SIZE LP	52	52
	PRESSURE SWITCH SETTING	0.34	0.34
COMPRESSOR	TYPE	SCROLL	SCROLL
	RATED LOAD AMPS	16	16
	LOCKED ROTOR AMPS	110	110
CONDENSER	HORSEPOWER	1/4	1/4
FAN MOTOR	RPM	1090	1090
	RATED LOAD AMPS	1.4	1.4
	LOCKED ROTOR AMPS	2.9	2.9
CONDENSER FAN	BLADE DIAMETER(") / # OF BLADES	22/4	22/4
	NOMINAL CFM	3,800	3,800
CONDENSER	FACE AREA - SQ. FT.	17.5	17.5
COIL	NUMBER OF ROWS	2	2
	FINS PER INCH	18	18
EVAPORATOR	HORSEPOWER - TYPE - STANDARD	1.0 - STD STATIC BELT DRIVE	1.0 - STD STATIC BELT DRIVE
BLOWER	NO. OF SPEEDS	1	1
MOTOR	RATED LOAD AMPS	3.8	3.8
	LOCKED ROTOR AMPS	10.9	10.9
	MOTOR SPEED TAP - COOLING	---	---
	RPM	1725	1725
EVAPORATOR	DIAMETER X WIDTH (INCHES)	11 X 10	11 X 10
BLOWER	RATED SCFM COOLING	2000	2000
	MAX EXTERNAL STATIC PRESS ("w.c.)	1.0	1.0
EVAPORATOR	FACE AREA - SQ. FT.	7.8	7.8
COIL	NUMBER OF ROWS	4	4
	FINS PER INCH	16	16
HEATING	PRIMARY LIMIT SETTING (°F)	200	200
LIMITS	AUXILIARY LIMIT SETTING (°F)	160	160
	ROLLOUT LIMIT SETTING (°F)	350	350
GENERAL	FILTER SIZE	(4) 14 X 20 x 2	(4) 14 X 20 x 2
INFORMATION	DRAIN SIZE (INCHES)	3/4"	3/4"
	EXPANSION DEVICE	Orifice (0.082)	Orifice (0.082)
	REFRIGERANT CHARGE R-410A (Oz.)	165	165
	POWER SUPPLY ENTRANCE SIZE (INCHES)	Locating Dimple	Locating Dimple
	LOW VOLTAGE ENTRANCE SIZE (INCHES)	Locating Dimple	Locating Dimple
	LOW PRESSURE SWITCH (OPEN/CLOSE-PSIG)	22/50	22/50
	HIGH PRESSURE SWITCH (OPENS-PSIG)	660	660
	SHIPPING WEIGHT LBS.	700	700
	OPERATING WEIGHT LBS.	680	680

(1) Units installed in Canada are certifed only to 4500 feet.
(2) Maximum Overcurrent Protection Device: **MUST** use Time Delay Fuse or HACR type Circuit Breaker of the same size as noted.
IMPORTANT: While this data is presented as a guide, it is important to electrically connect the unit and properly size wires and fuses/circuit breakers in accordance with the National Electrical Code and/or all local codes.

PACKAGE GAS SPECIFICATIONS CPG060XXX3DXXX

		CPG0600703DXXX	CPG0601403DXXX
COOLING	COOLING CAPACITY, BTUH	59,500	59,500
CAPACITY	SEER/EER	13/11.3	13/11.3
HEATING	HEATING INPUT	70,000	140,000
CAPACITY	HEATING OUTPUT	56,000	112,000
	STEADY STATE EFFY %	80	80
	TEMPERATURE RISE (°F)	30 - 60	35 - 65
UNIT	VOLTAGE (NAMEPLATE)	208-230/3/60	208-230/3/60
ELECTRICAL	UNIT AMPS (TOTAL)	25	25
SPECIFICATION	MINIMUM CIRCUIT AMPACITY	29	29
	MAXIMUM OVERCURRENT PROTECTION (2)	45	45
HEATING	NUMBER OF BURNERS	2	4
SECTION	ORIFICE SIZE NATURAL	34	34
	ORIFICE SIZE LP	52	52
	PRESSURE SWITCH SETTING	0.34	0.34
COMPRESSOR	TYPE	SCROLL	SCROLL
	RATED LOAD AMPS	16	16
	LOCKED ROTOR AMPS	110	110
CONDENSER	HORSEPOWER	1/4	1/4
FAN MOTOR	RPM	1090	1090
	FULL LOAD AMPS	1.4	1.4
	LOCKED ROTOR AMPS	2.9	2.9
CONDENSER FAN	BLADE DIAMETER(") / # OF BLADES	22/4	22/4
	NOMINAL CFM	3,800	3,800
CONDENSER	FACE AREA - SQ. FT.	17.5	17.5
COIL	NUMBER OF ROWS	2	2
	FINS PER INCH	18	18
EVAPORATOR	HORSEPOWER - TYPE	1.0 - DIRECT DRIVE	1.0 - DIRECT DRIVE
BLOWER	NO. OF SPEEDS	X-13 - 5	X-13 - 5
MOTOR	FULL LOAD AMPS	7.6	7.6
	LOCKED ROTOR AMPS	--	---
	MOTOR SPEED TAP - COOLING	T4	T4
	RPM	1050	1050
EVAPORATOR	DIAMETER X WIDTH (INCHES)	11 X 10	11 X 10
BLOWER	RATED SCFM COOLING	2000	2000
	MAX EXTERNAL STATIC PRESS ("w.c.)	0.6	0.9
EVAPORATOR	FACE AREA - SQ. FT.	7.8	7.8
COIL	NUMBER OF ROWS	4	4
	FINS PER INCH	16	16
HEATING	PRIMARY LIMIT SETTING (°F)	200	200
LIMITS	AUXILIARY LIMIT SETTING (°F)	160	160
	ROLLOUT LIMIT SETTING (°F)	350	350
GENERAL	FILTER SIZE	(4) 14 X 20 x 2	(4) 14 X 20 x 2
INFORMATION	DRAIN SIZE (INCHES)	3/4"	3/4"
	EXPANSION DEVICE - SIZE	ORIFICE (0.082)	ORIFICE (0.082)
	REFRIGERANT CHARGE R-410A (Oz.)	165	165
	POWER SUPPLY ENTRANCE SIZE (INCHES)	LOCATING DIMPLE	LOCATING DIMPLE
	LOW VOLTAGE ENTRANCE SIZE (INCHES)	LOCATING DIMPLE	LOCATING DIMPLE
	LOW PRESSURE SWITCH (OPEN/CLOSE-PSIG)	22/50	22/50
	HIGH PRESSURE SWITCH (OPENS-PSIG)	660	660
	SHIPPING WEIGHT LBS.	700	700
	OPERATING WEIGHT LBS.	680	680

(1) Units installed in Canada are certifed only to 4500 feet.
(2) Maximum Overcurrent Protection Device: **MUST** use Time Delay Fuse or HACR type Circuit Breaker of the same size as noted.
IMPORTANT: While this data is presented as a guide, it is important to electrically connect the unit and properly size wires and fuses/circuit breakers in accordance with the National Electrical Code and/or all local codes.

PACKAGE GAS SPECIFICATIONS CPG090XXX3*XXX

		CPG0902103BXXX	CPG0902103HXXX
COOLING	COOLING CAPACITY, BTUH	90,000	90,000
CAPACITY	EER	11.5	11.5
HEATING	HEATING INPUT	210,000	210,000
CAPACITY	HEATING OUTPUT	168,000	168,000
	STEADY STATE EFFY %	80	80
	TEMPERATURE RISE (°F)	35 - 65	35 - 65
UNIT	VOLTAGE (NAMEPLATE)	208-230/3/60	208-230/3/60
ELECTRICAL	UNIT AMPS (TOTAL)	34.1	36.8
SPECIFICATION	MINIMUM CIRCUIT AMPACITY	37	40
	MAXIMUM OVERCURRENT PROTECTION(1)	50	50
HEATING	NUMBER OF BURNERS	6	6
SECTION	ORIFICE SIZE NATURAL	34	34
	ORIFICE SIZE LP	52	52
	PRESSURE SWITCH SETTING	0.34	0.34
COMPRESSOR	TYPE	SCROLL	SCROLL
	RATED LOAD AMPS	13.1	13.1
	LOCKED ROTOR AMPS	83.1	83.1
CONDENSER	QUANTITY OF CONDENSER FAN MOTORS	2	2
FAN MOTOR	HORSEPOWER	1/4	1/4
	RPM	1090	1090
	RATED LOAD AMPS	1.4	1.4
	LOCKED ROTOR AMPS	2.9	2.9
CONDENSER FAN	BLADE DIAMETER(") / # OF BLADES	22/4	22/4
	NOMINAL CFM	7,600	7,600
CONDENSER	FACE AREA - SQ. FT.	32.4	32.4
COIL	NUMBER OF ROWS	2/2	2/2
	FINS PER INCH	20	20
EVAPORATOR	HORSEPOWER - TYPE - STANDARD	1.5 - STD STATIC BELT DRIVE	2.0 - HI STATIC BELT DRIVE
BLOWER	NO. OF SPEEDS	1	1
MOTOR	RATED LOAD AMPS	5.0	7.8
	LOCKED ROTOR AMPS	18	40
	MOTOR SPEED TAP - COOLING	---	---
	RPM	1725	1725
EVAPORATOR	DIAMETER X WIDTH (INCHES)	15X12	15X12
BLOWER	RATED SCFM COOLING	3000	3000
	MAX EXTERNAL STATIC PRESS ("w.c.)	1.0	2.0
EVAPORATOR	FACE AREA - SQ. FT.	10.2	10.2
COIL	NUMBER OF ROWS	4	4
	FINS PER INCH	16	16
HEATING	PRIMARY LIMIT SETTING (°F)	200	200
LIMITS	AUXILIARY LIMIT SETTING (°F)	150	150
	ROLLOUT LIMIT SETTING (°F)	350	350
GENERAL	FILTER SIZE	(4) 16 X 24 x 2	(4) 16 X 24 x 2
INFORMATION	DRAIN SIZE (INCHES)	3/4"	3/4"
	EXPANSION DEVICE	Orifice (0.076)	Orifice (0.076)
	REFRIGERANT CHARGE R-410A (Oz.) CIR #1	215	215
	REFRIGERANT CHARGE R-410A (Oz.) CIR #2	215	215
	POWER SUPPLY ENTRANCE SIZE (INCHES)	Locating Dimple	Locating Dimple
	LOW VOLTAGE ENTRANCE SIZE (INCHES)	Locating Dimple	Locating Dimple
	LOW PRESSURE SWITCH (OPEN/CLOSE-PSIG)	22/50	22/50
	HIGH PRESSURE SWITCH (OPENS-PSIG)	660	660
	SHIPPING WEIGHT LBS.	1250	1250
	OPERATING WEIGHT LBS.	1210	1210

(1) Maximum Overcurrent Protection Device: **MUST** use Time Delay Fuse or HACR type Circuit Breaker of the same size as noted.

(2) Rated capacity 3500 CFM, full capacity 4000 CFM

*** **NOTE:** High static airflow requires installation of high static kit (HSKT*), or factory-built High Static model.

Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

Unit specifications are subject to change without notice. **ALWAYS** refer to the units serial plate for the most up-to-date general and electrical information.

IMPORTANT: While this data is presented as a guide, it is important to electrically connect the unit and properly size wires and fuses/circuit breakers in accordance with the National Electrical Code and/or all local codes. Data shown is w/o electric heaters.

PACKAGE GAS SPECIFICATIONS CPG102XXX3*XXX

		CPG1022103BXXX	CPG1022103HXXX
COOLING CAPACITY	COOLING CAPACITY, BTUH	102,000	102,000
	EER	11.3	11.3
	IEER	11.2	11.2
HEATING CAPACITY	HEATING INPUT	210,000	210,000
	HEATING OUTPUT	168,000	168,000
	STEADY STATE EFFY %	80	80
	TEMPERATURE RISE (°F)	35 - 65	35 - 65
UNIT ELECTRICAL SPECIFICATION	VOLTAGE (NAMEPLATE)	208-230/3/60	208-230/3/60
	UNIT AMPS (TOTAL)	39.6	39.6
	MINIMUM CIRCUIT AMPACITY	43.2	43.2
	MAXIMUM OVERCURRENT PROTECTION(1)	50	50
HEATING SECTION	NUMBER OF BURNERS	6	6
	ORIFICE SIZE NATURAL	34	34
	ORIFICE SIZE LP	52	52
	PRESSURE SWITCH SETTING	0.34	0.34
COMPRESSOR	TYPE	SCROLL	SCROLL
	RATED LOAD AMPS	14.5	14.5
	LOCKED ROTOR AMPS	98	98
FAN MOTOR	HORSEPOWER	1/4	1/4
	RPM	1090	1090
	RATED LOAD AMPS	1.4	1.4
	LOCKED ROTOR AMPS	2.9	2.9
CONDENSER FAN	BLADE DIAMETER(") / # OF BLADES	22/4	22/4
	NOMINAL CFM	7,600	7,600
CONDENSER COIL	FACE AREA - SQ. FT.	13.25	13.25
	NUMBER OF ROWS	2	2
	FINS PER INCH	22	22
EVAPORATOR BLOWER MOTOR	HORSEPOWER - TYPE - STANDARD	2.0 - STD STATIC BELT DRIVE	2.0 - HIGH STATIC BELT DRIVE
	NO. OF SPEEDS	1	1
	RATED LOAD AMPS	7.8	7.8
	LOCKED ROTOR AMPS	40	40
	MOTOR SPEED TAP - COOLING	---	---
	RPM	1725	1725
EVAPORATOR BLOWER	DIAMETER X WIDTH (INCHES)	15x12	15x12
	RATED SCFM COOLING	3400	3400
	MAX EXTERNAL STATIC PRESS ("w.c.)	1.0	2.0
EVAPORATOR COIL	FACE AREA - SQ. FT.	8.9	8.9
	NUMBER OF ROWS	4	4
	FINS PER INCH	16	16
HEATING LIMITS	PRIMARY LIMIT SETTING (°F)	190	190
	AUXILIARY LIMIT SETTING (°F)	180	180
	ROLLOUT LIMIT SETTING (°F)	350	350
GENERAL INFORMATION	FILTER SIZE	(4) 16 X 20 x 2	(4) 16 X 20 x 2
	DRAIN SIZE (INCHES)	3/4"	3/4"
	EXPANSION DEVICE	Orifice (0.080)	Orifice (0.080)
	REFRIGERANT CHARGE R-410A (Oz.) CIR #1	180	180
	REFRIGERANT CHARGE R-410A (Oz.) CIR #2	180	180
	POWER SUPPLY ENTRANCE SIZE (INCHES)	LOCATING DIMPLE	LOCATING DIMPLE
	LOW VOLTAGE ENTRANCE SIZE (INCHES)	LOCATING DIMPLE	LOCATING DIMPLE
	LOW PRESSURE SWITCH (OPEN/CLOSE-PSIG)	22/50	22/50
	HIGH PRESSURE SWITCH (OPENS-PSIG)	660	660
	SHIPPING WEIGHT LBS.	1055	1055
	OPERATING WEIGHT LBS.	1030	1030

(1) Maximum Overcurrent Protection Device: **MUST** use Time Delay Fuse or HACR type Circuit Breaker of the same size as noted.

(2) Rated capacity 3500 CFM, full capacity 4000 CFM

*** **NOTE:** High static airflow requires installation of high static kit (HSKT*), or factory-built High Static model.

Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

Unit specifications are subject to change without notice. **ALWAYS** refer to the units serial plate for the most up-to-date general and electrical information.
IMPORTANT: While this data is presented as a guide, it is important to electrically connect the unit and properly size wires and fuses/circuit breakers in accordance with the National Electrical Code and/or all local codes. Data shown is w/o electric heaters.

PACKAGE GAS SPECIFICATIONS CPG120XXX3****

		CPG1202103BXXX	CPG1202103HXXX
COOLING	COOLING CAPACITY, BTUH	118,000	118,000
CAPACITY	EER	11.5	11.5
HEATING	HEATING INPUT	210,000	210,000
CAPACITY	HEATING OUTPUT	168,000	168,000
	STEADY STATE EFFICIENCY	80	80
	TEMPERATURE RISE (°F)	25 - 55	25 - 55
UNIT	VOLTAGE (NAMEPLATE)	208-230/3/60	208-230/3/60
ELECTRICAL	UNIT AMPS (TOTAL)	45	46
SPECIFICATION	MINIMUM CIRCUIT AMPACITY	49	50
	MAXIMUM OVERCURRENT PROTECTION(1)	60	60
HEATING	NUMBER OF BURNERS	6	6
SECTION	ORIFICE SIZE NATURAL	34	34
	ORIFICE SIZE LP	52	52
	PRESSURE SWITCH SETTING	0.34	0.34
COMPRESSOR	TYPE	SCROLL	SCROLL
	RATED LOAD AMPS	16	16
	LOCKED ROTOR AMPS	110	110
CONDENSER	QUANTITY OF CONDENSER FAN MOTORS	2	2
FAN MOTOR	HORSEPOWER	1/3	1/3
	RPM	1075	1075
	RATED LOAD AMPS	2.4	2.4
	LOCKED ROTOR AMPS	5.2	5.2
CONDENSER FAN	BLADE DIAMETER(") / # OF BLADES	22/3	22/3
	NOMINAL CFM	7,200	7,200
CONDENSER	FACE AREA - SQ. FT.	32.4	32.4
COIL	NUMBER OF ROWS	2/2	2/2
	FINS PER INCH	22	22
EVAPORATOR	HORSEPOWER - TYPE - STANDARD	2.0 - STD STATIC BELT DRIVE	3.0 - HI STATIC BELT DRIVE
BLOWER	NO. OF SPEEDS	1	1
MOTOR	FULL LOAD AMPS	7.8	9.2
	LOCKED ROTOR AMPS	40	66
	MOTOR SPEED TAP - COOLING	---	---
	RPM	1725	1725
EVAPORATOR	DIAMETER X WIDTH (INCHES)	15X15	15X15
BLOWER	RATED SCFM COOLING(2)	4000	4000
	MAX EXTERNAL STATIC PRESS ("w.c.)	0.9	2.0
EVAPORATOR	FACE AREA - SQ. FT.	10.2	10.2
COIL	NUMBER OF ROWS	4	4
	FINS PER INCH	14	14
HEATING	PRIMARY LIMIT SETTING (°F)	200	200
LIMITS	AUXILIARY LIMIT SETTING (°F)	160	160
	ROLLOUT LIMIT SETTING (°F)	350	350
GENERAL	FILTER SIZE	(4) 16 X 24 x 2	(4) 16 X 24 x 2
INFORMATION	DRAIN SIZE (INCHES)	3/4"	3/4"
	EXPANSION DEVICE	Orifice (0.086)	Orifice (0.086)
	REFRIGERANT CHARGE R-410A (Oz.) CIR #1	220	220
	REFRIGERANT CHARGE R-410A (Oz.) CIR #2	220	220
	POWER SUPPLY ENTRANCE SIZE (INCHES)	Locating Dimple	Locating Dimple
	LOW VOLTAGE ENTRANCE SIZE (INCHES)	Locating Dimple	Locating Dimple
	LOW PRESSURE SWITCH (OPEN/CLOSE-PSIG)	22/50	22/50
	HIGH PRESSURE SWITCH (OPENS-PSIG)	660	660
	SHIPPING WEIGHT LBS.	1275	1275
	OPERATING WEIGHT LBS.	1235	1235

(1) Maximum Overcurrent Protection Device: **MUST** use Time Delay Fuse or HACR type Circuit Breaker of the same size as noted.

(2) Rated capacity 3500 CFM, full capacity 4000 CFM

*** **NOTE:** High static airflow requires installation of high static kit (HSKT*), or factory-built High Static model.

Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

Unit specifications are subject to change without notice. **ALWAYS** refer to the units serial plate for the most up-to-date general and electrical information.

IMPORTANT: While this data is presented as a guide, it is important to electrically connect the unit and properly size wires and fuses/circuit breakers in accordance with the National Electrical Code and/or all local codes. Data shown is w/o electric heaters.

PACKAGE GAS SPECIFICATIONS CPG150XXX3****

		CPG1502103B***	CPG1502103H***
COOLING	COOLING CAPACITY, BTUH	146,000	146,000
CAPACITY	SENSIBLE CAPACITY, BTUH	102,200	102,200
	EER / IPLV	10.8 / 11.6	10.8 / 11.6
	DECIBEL	83.0	83.0
HEATING	HEATING INPUT	210,000	210,000
CAPACITY	HEATING OUTPUT	168,000	168,000
	STEADY STATE EFFICIENCY	80	80
	TEMPERATURE RISE (°F)	15 - 45	15 - 45
UNIT	VOLTAGE (NAMEPLATE)	208-230/3/60	208-230/3/60
ELECTRICAL	UNIT AMPS (TOTAL)	59	62
SPECIFICATION	MINIMUM CIRCUIT AMPACITY	65	68
	MAXIMUM OVERCURRENT PROTECTION(1)	80	90
HEATING	NUMBER OF BURNERS	6	6
SECTION	ORIFICE SIZE NATURAL	34	34
	ORIFICE SIZE LP	52	52
	PRESSURE SWITCH SETTING	0.34	0.34
COMPRESSOR	TYPE	SCROLL	SCROLL
	RATED LOAD AMPS	22.4	22.4
	LOCKED ROTOR AMPS	149	149
CONDENSER	QUANTITY OF CONDENSER FAN MOTORS	2	2
FAN MOTOR	HORSEPOWER	1/3	1/3
	RPM	1075	1075
	RATED LOAD AMPS	2.4	2.4
	LOCKED ROTOR AMPS	5.2	5.2
CONDENSER FAN	BLADE DIAMETER(") / # OF BLADES	22/3	22/3
	NOMINAL CFM	7,200	7,200
CONDENSER	FACE AREA - SQ. FT.	35.3	35.3
COIL	NUMBER OF ROWS	3/3	3/3
	FINS PER INCH	15	15
EVAPORATOR	HORSEPOWER - TYPE - STANDARD	3.0 - STD STATIC BELT DRIVE	5.0 - HIGH STATIC BELT DRIVE
BLOWER	NO. OF SPEEDS	1	1
MOTOR	FULL LOAD AMPS	9.4	12.7
	LOCKED ROTOR AMPS	66	89
	MOTOR SPEED TAP - COOLING	--	--
	RPM	670 - 950	960 - 1240
EVAPORATOR	DIAMETER X WIDTH (INCHES)	15X15	15X15
BLOWER	RATED SCFM COOLING(2)	4200	4200
	MAX EXTERNAL STATIC PRESS ("w.c.)	1.4	2.0
EVAPORATOR	FACE AREA - SQ. FT.	14.7	14.7
COIL	NUMBER OF ROWS	4	4
	FINS PER INCH	15	15
HEATING	PRIMARY LIMIT SETTING (°F)	180	180
LIMITS	AUXILIARY LIMIT SETTING (°F)	160	160
	ROLLOUT LIMIT SETTING (°F)	350	350
GENERAL	FILTER SIZE	(4) 20 X 25 x 2	(4) 20 X 25 x 2
INFORMATION	DRAIN SIZE (INCHES)	3/4"	3/4"
	EXPANSION DEVICE	Orifice (0.096)	Orifice (0.096)
	REFRIGERANT CHARGE R-410A (Oz.) CIR #1	285	285
	REFRIGERANT CHARGE R-410A (Oz.) CIR #2	285	285
	POWER SUPPLY ENTRANCE SIZE (INCHES)	Locating Dimple	Locating Dimple
	LOW VOLTAGE ENTRANCE SIZE (INCHES)	Locating Dimple	Locating Dimple
	LOW PRESSURE SWITCH (OPEN/CLOSE-PSIG)	22/50	22/50
	HIGH PRESSURE SWITCH (OPENS-PSIG)	660	660
	SHIPPING WEIGHT LBS.	1390	1390
	OPERATING WEIGHT LBS.	1365	1365

(1) Maximum Overcurrent Protection Device: **MUST** use Time Delay Fuse or HACR type Circuit Breaker of the same size as noted.

(2) Rated capacity 3500 CFM, full capacity 4000 CFM

*** **NOTE:** High static airflow requires installation of high static kit (HSKT*), or factory-built High Static model.

Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

Unit specifications are subject to change without notice. **ALWAYS** refer to the units serial plate for the most up-to-date general and electrical information.

IMPORTANT: While this data is presented as a guide, it is important to electrically connect the unit and properly size wires and fuses/circuit breakers in accordance with the National Electrical Code and/or all local codes. Data shown is w/o electric heaters.

ACCESSORIES

CPG / CPC- ACCESSORIES	
14CURB3672	3 - 5 Ton Roof Curb 14" Tall
14CURB90150	7.5 - 12.5 Ton Roof Curb 14" Tall
DNECONGS3672	3 - 5 Ton Downflow Economizer for CPC/CPG
DNECONGS90120	7.5 - 10 Ton Downflow Economizer for CPC/CPG
DNECONGS150	12.5 Ton Downflow Economizer for CPC/CPG
HZECONGS3672	3 - 5 Ton Horizontal Economizer for CPC/CPG
HZECONGS90150	7.5 - 12.5 Ton Horizontal Economizer for CPC/CPG
25FD3672	3 - 5 Ton 25% Manual Fresh Air Damper
25MFD3672	3 - 5 Ton 25% Motorized Fresh Air Damper
25FD90150	7.5 - 12.5 Ton 25% Manual Fresh Air Damper
25MFD90150	7.5 - 12.5 Ton 25% Motorized Fresh Air Damper
PE36722	3 - 5 Ton Power Exhaust 208/230v CP* Unit
PE36724	3 - 5 Ton Power Exhaust 460v CP* Unit
PE901502	7.5 - 12.5 Ton Power Exhaust 208/230v CP* Unit
PE901504	7.5 - 12.5 Ton Power Exhaust 460v CP* Unit
BRD3672	Barometric Relief Damper
CDK36	3 Ton Concentric Duct Kit
CDK4872	4 - 5 Ton Concentric Duct Kit
CDK90102	7.5 - 8.5 Concentric Duct Kit
CDK120	10 Ton Concentric Duct Kit
DNSQRRND36	3 Ton Downflow Square to Round Adapter 16" Round
DNSQRRND4872	4 - 5 Ton Downflow Square to Round Adapter 18" Round
DNSQRRND90	7.5 - 8.5 Ton Downflow Square to Round Adapter 20" Round
HAKT36300	High Altitude Kit - CPG 3 - 5 ton units
LPKT36150	LP Conversion Kit - CPG 3 - 5 Ton
LPKT090150	LP Conversion Kit - CPG 7.5 -12.5 Ton
HSKT***	High Static Kit
HAILGD01	Hail Guard Kit - 3 - 5 Ton
HAILGD02	Hail Guard Kit - 7.5 - 10 Ton
HAILGD05	Hail Guard Kit 12.5 Ton
EHK**	Heater Kit - CPC units
LAKT-01	Low Ambient Kit 3 - 5 Tons
LAKT-02	Low Ambient Kit 7.5 - 12.5 Tons

** Complete listing of EHK kits listed on electrical data page in CPC manuals

***NOTE: High static airflow requires installation of high static kit (HSKT*), or factory-built High Static model.

BLOWER PERFORMANCE DATA

CPG036XXX3BXXX

BELT DRIVE - 3 TON

CPG036 STANDARD BELT DRIVE DOWN SHOT

ESP, In H_2O	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.2																1402	711	0.24
0.3													1427	763	0.28	1206	714	0.2
0.4										1435	816	0.31	1231	763	0.23	1012	710	0.16
0.5							1451	870	0.35	1267	822	0.27	969	766	0.17			
0.6				1516	922	0.42	1280	869	0.3	966	822	0.2						
0.7	1510	973	0.46	1317	928	0.35	1023	875	0.24									
0.8	1358	975	0.41	1090	928	0.29												
0.9	1130	976	0.33															
1																		

CPG036 STANDARD BELT DRIVE HORIZONTAL

ESP, In H_2O	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.2																1387	716	0.24
0.3													1419	767	0.27	1243	716	0.21
0.4										1440	816	0.31	1258	768	0.24	1055	716	0.17
0.5							1447	869	0.35	1285	822	0.27	1075	769	0.2			
0.6				1484	922	0.4	1298	872	0.31	1090	822	0.23						
0.7	1526	975	0.46	1311	924	0.35	998	875	0.24									
0.8	1353	976	0.4	1019	928	0.27												
0.9	1049	981	0.32															
1	847	981	0.27															

NOTES:

Factory shipped at 2.5 turns open.
Tables represent dry coil without filter. To compensate for filter, add 0.08" to measured E.S.P.
SCFM correction for wet coil = 4%.

BLOWER PERFORMANCE DATA CPG036XXX3DXXX

DIRECT DRIVE - 3 TON

Down Shot Blower Performance
CPG036

Standard CFM	Static	Amps	Watts	RPM	Speed
659	0.7	1.16	260	975	LOW
854	0.6	1.31	294	911	
942	0.5	1.39	307	864	
1012	0.4	1.46	322	816	
1079	0.3	1.53	336	768	
1109	0.2	1.57	342	728	
1164	0.1	1.63	354	669	
825	0.8	1.55	346	1035	MED
1011	0.7	1.71	382	999	
1139	0.6	1.83	408	964	
1222	0.5	1.92	430	940	
1299	0.4	2.01	448	906	
1361	0.3	2.09	464	881	
1422	0.2	2.16	477	846	
1486	0.1	2.24	496	804	
918	0.8	1.98	427	1064	HIGH
1151	0.7	2.15	472	1029	
1265	0.6	2.25	495	1009	
1373	0.5	2.35	517	981	
1451	0.4	2.43	538	964	
1525	0.3	2.50	554	940	
1615	0.2	2.61	582	922	
1660	0.1	2.68	587	882	

Horizontal Blower Performance
CPG036

Standard CFM	Static	Amps	Watts	Rpm	Speed
790	0.6	1.27	285	934	LOW
900	0.5	1.39	306	869	
997	0.4	1.47	326	824	
1039	0.3	1.54	334	780	
1092	0.2	1.59	343	728	
1151	0.1	1.64	353	674	
728	0.8	1.48	328	1046	MED
893	0.7	1.60	355	1022	
1094	0.6	1.79	399	969	
1191	0.5	1.89	424	945	
1268	0.4	1.98	439	916	
1314	0.3	2.06	456	881	
1388	0.2	2.15	476	845	
1441	0.1	2.22	488	808	
798	0.8	1.89	402	1075	HIGH
1115	0.7	2.11	461	1034	
1227	0.6	2.22	485	1010	
1329	0.5	2.32	514	993	
1427	0.4	2.41	534	969	
1512	0.3	2.53	563	945	
1569	0.2	2.58	576	922	
1638	0.1	2.68	590	892	

Notes

Tables represent dry coil without filter. To compensate for filter, add 0.08" to measured E.S.P.

SCFM correction for wet coil = 4%.

3 ton models are shipped from the factory with speed tap set on LOW.

BLOWER PERFORMANCE DATA

CPG048XXX3BXXX

BELT DRIVE - 4 TON

CPG048 STANDARD BELT DRIVE DOWN SHOT

ESP, In H_2O	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.2																1820	832	0.44
0.3													1889	887	0.51	1727	832	0.41
0.4													1762	887	0.46	1574	832	0.35
0.5										1804	942	0.54	1627	887	0.42	1394	837	0.31
0.6							1838	997	0.61	1653	942	0.48	1449	892	0.37			
0.7				1828	1046	0.66	1670	997	0.53	1502	947	0.42						
0.8	1889	1100	0.73	1691	1052	0.59	1500	1000	0.47									
0.9	1757	1101	0.68	1529	1052	0.53	1311	1002	0.41									
1	1591	1107	0.61	1323	1057	0.46												
1.1	1402	1107	0.52															

CPG048 STANDARD BELT DRIVE HORIZONTAL

ESP, In H_2O	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.2																1761	832	0.42
0.3													1785	887	0.47	1626	832	0.38
0.4										1814	942	0.54	1632	887	0.42	1486	834	0.34
0.5							1848	997	0.61	1651	942	0.48	1492	888	0.38	1305	837	0.29
0.6				1850	1046	0.65	1717	997	0.56	1520	947	0.43	1326	892	0.33			
0.7				1729	1052	0.62	1576	997	0.5	1348	947	0.37						
0.8	1793	1101	0.69	1585	1052	0.55	1418	1002	0.45									
0.9	1623	1107	0.62	1455	1058	0.51												
1	1496	1107	0.57															
1.1	1328	1112	0.5															

NOTES:

Factory shipped at 2.5 turns open.
Tables represent dry coil without filter. To compensate for filter, add 0.08" to measured E.S.P.
SCFM correction for wet coil = 4%.

BLOWER PERFORMANCE DATA CPG048XXX3DXXX

DIRECT DRIVE - 4 TON

Direct Drive Down Shot Blower Performance

CPG048

Standard Cfm	Static	Watts	RPM	Speed
1328	0.7	486	967	MED
1451	0.6	512	939	
1554	0.5	534	911	
1630	0.4	552	882	
1709	0.3	570	849	
1751	0.2	586	826	
1809	0.1	604	798	
1247	0.8	590	1026	HIGH
1399	0.7	616	999	
1516	0.6	644	978	
1620	0.5	662	961	
1713	0.4	684	939	
1798	0.3	706	918	

Direct Drive Horizontal Blower Performance

CPG048

Standard Cfm	Static	Watts	RPM	Speed
1365	0.6	512	953	MED
1468	0.5	534	925	
1544	0.4	552	896	
1623	0.3	570	863	
1665	0.2	586	840	
1723	0.1	604	812	
1361	0.7	606	1012	HIGH
1478	0.6	634	991	
1582	0.5	652	974	
1675	0.4	674	952	
1760	0.3	696	931	
1822	0.2	714	909	
1864	0.1	728	887	

Notes

Table represents dry coil without filter. To compensate for filter, add 0.08" to measured ESP.

SCFM correction for wet coil = 4%.

4 ton models are shipped from the factory with speed tap set on MED.

BLOWER PERFORMANCE DATA CPG060XXX3BXXX

BELT DRIVE - 5 TON

CPG060 STANDARD BELT DRIVE DOWN SHOT

ESP, In H_2O	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.2							2493	1052	0.812	2359	1011	0.728	2194	955.5	0.637	2035	898	0.571
0.4							2215	1058	0.77	2133	1016	0.68	1932	958	0.594	1746	900.5	0.529
0.6	2388	1171	0.946	2220	1121	0.821	2006	1068	0.717	1860	1019	0.626	1645	961	0.545	1406	906	0.479
0.8	2159	1179	0.884	1996	1127	0.76	1790	1074	0.659	1556	1022	0.569	1281	966.5	0.488	935	909	0.423
1	1923	1187	0.816	1724	1135	0.697	1455	1079	0.593	1123	1027	0.502	813.5	972	0.428			
1.2	1664	1194	0.741	1395	1146	0.627	1012	1090	0.522									
1.4	1318	1202	0.659	981	6201	0.554	624	1096	0.467									
1.6																		

CPG060 STANDARD BELT DRIVE HORIZONTAL

ESP, In H_2O	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.2													2300	945	0.673	2181	892	0.586
0.4										2221	1011	0.71	2087	951	0.629	1915	898	0.542
0.6	2527	1169	0.996	2340	1121	0.864	2149	1071	0.749	1959	1016	0.658	1803	956	0.578	1567	903	0.493
0.8	2319	1176	0.925	2100	1126	0.798	1891	1077	0.689	1643	1022	0.594	1431	964	0.517	1110	909	0.434
1	2059	1184	0.849	1819	1132	0.724	1550	1082	0.62	1175	1027	0.511	918.5	973	0.448			
1.2	1760	1192	0.767	1464	1140	0.645	1069	1088	0.532	651	1030	0.438						
1.4	1338	1201	0.667	1011	1148	0.562												
1.6																		

NOTES:

Factory shipped at 2.5 turns open.
Tables represent dry coil without filter. To compensate for filter, add 0.08" to measured E.S.P.
SCFM correction for wet coil = 4%.

BLOWER PERFORMANCE DATA CPG060XXX3DXXX

DIRECT DRIVE - 5 TON

STANDARD MOTOR
DOWN SHOT BLOWER PERFORMANCE

	Standard CFM	Static	Amps	Watts	RPM	Speed Tap
CPG060XXX**XXX	710	0.9	2.20	240	910	TI
	770	0.8	2.10	230	875	
	835	0.7	2.05	230	845	
	900	0.6	1.95	210	805	
	995	0.5	1.90	205	760	
	1060	0.4	1.75	190	715	
	1130	0.3	1.65	175	665	
	1215	0.2	1.60	175	615	
	1340	0.1	1.60	175	590	
	925	0.9	2.70	310	940	T2
	985	0.8	2.60	310	910	
	1055	0.7	2.50	285	875	
	1129	0.6	2.45	280	845	
	1200	0.5	2.40	255	795	
	1255	0.4	2.20	250	750	
	1325	0.3	2.15	240	710	
	1395	0.2	2.00	220	665	
	1465	0.1	1.90	200	620	
	1570	0.9	4.90	620	1045	T3
	1620	0.8	4.75	605	1010	
	1670	0.7	4.65	590	980	
	1720	0.6	4.55	570	955	
	1820	0.5	4.45	560	915	
	1890	0.4	4.30	538	885	
	1920	0.3	4.20	515	855	
	1960	0.2	4.05	500	825	
	1995	0.1	3.95	480	785	
	1690	0.9	5.60	720	1070	T4
	1735	0.8	5.50	710	1040	
	1775	0.7	5.45	695	1015	
	1835	0.6	5.30	675	980	
	1875	0.5	5.15	655	955	
	1940	0.4	5.05	640	925	
	1990	0.3	4.90	610	895	
	2035	0.2	4.75	600	865	
	2105	0.1	4.60	585	835	
	1785	0.9	6.20	815	1090	T5
	1855	0.8	6.15	810	1070	
	1895	0.7	6.05	780	1040	
	1950	0.6	5.90	765	1015	
	1985	0.5	5.75	750	985	
	2040	0.4	5.65	740	945	
	2095	0.3	5.55	715	930	
	2165	0.2	5.45	690	905	
	2205	0.1	5.30	675	870	

STANDARD MOTOR
HORIZONTAL BLOWER PERFORMANCE

	Standard CFM	Static	Amps	Watts	RPM	Speed Tap
CPG060XXX**XXX	730	0.9	2.25	255	920	T1
	775	0.8	2.10	240	880	
	830	0.7	2.10	220	830	
	890	0.6	2.00	220	815	
	950	0.5	1.90	205	785	
	1030	0.4	1.80	190	735	
	1125	0.3	1.70	180	670	
	1190	0.2	1.60	170	630	
	1280	0.1	1.60	160	590	
	955	0.9	2.80	320	960	T2
	975	0.8	2.70	310	930	
	1030	0.7	2.65	300	900	
	1080	0.6	2.50	285	865	
	1180	0.5	2.40	270	810	
	1255	0.4	2.30	250	760	
	1315	0.3	2.20	240	720	
	1365	0.2	2.10	230	680	
	1425	0.1	2.00	225	645	
	1585	0.9	5.00	640	1070	T3
	1660	0.8	4.88	620	1030	
	1700	0.7	4.79	605	1000	
	1750	0.6	4.67	585	965	
	1805	0.5	4.55	570	936	
	1835	0.4	4.40	555	910	
	1870	0.3	4.35	530	880	
	1925	0.2	4.20	520	850	
	1970	0.1	4.05	500	815	
	1635	0.9	5.25	675	1075	T4
	1690	0.8	5.10	655	1035	
	1750	0.7	5.00	635	1000	
	1798	0.6	4.90	625	975	
	1835	0.5	4.75	605	950	
	1890	0.4	4.70	590	920	
	1920	0.3	4.60	580	890	
	1970	0.2	4.45	555	865	
	2000	0.1	4.30	540	840	
	1770	0.9	6.20	810	1110	T5
	1840	0.8	6.20	810	1080	
	1880	0.7	6.10	785	1050	
	1925	0.6	5.95	790	1025	
	1965	0.5	5.90	770	1000	
	2000	0.4	5.75	745	975	
	2045	0.3	5.60	730	950	
	2105	0.2	5.50	710	920	
	2125	0.1	5.40	700	890	

Notes

Tables represent dry coil without filter. To compensate for filter, add 0.08" to measured E.S.P.

SCFM correction for wet coil = 4%.

5 ton models are shipped from the factory with speed tap set on T4.

BLOWER PERFORMANCE DATA CPG090XXX3****

BELT DRIVE - 7.5 TON

CPG090 STANDARD BELT DRIVE DOWN SHOT

ESP, In H_2O	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.1										3522	750	1.14	3228	706	0.94	2964	661	0.73
0.3							3337	800	1.19	3102	756	1	2800	706	0.76	2504	661	0.59
0.5				3387	844	1.32	2834	806	0.99	2603	757	0.8						
0.7	3453	893	1.5	2903	850	1.12												
0.9	2957	899	1.29															

CPG090 STANDARD BELT DRIVE HORIZONTAL

ESP, In H_2O	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.1													3381	703	0.99	3078	659	0.78
0.3							3560	796	1.26	3271	747	1.02	2946	703	0.82	2604	659	0.63
0.5				3492	841	1.36	3159	799	1.09	2819	752	0.86						
0.7	3453	891	1.5	3094	846	1.18												
0.9	2964	896	1.29	2524	852	0.96												
1.1	2537	902	1.08															

CPG090 HIGH STATIC BELT DRIVE DOWN SHOT

ESP, In H_2O	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.7	DO NOT OPERATE															3575	904	1.66
0.9													3258	925	1.56	3113	909	1.41
1.1										3580	1013	1.97	3001	948	1.42	2722	915	1.25
1.3						3616	1063	2.17	3247	1019	1.79	2646	959	1.3				
1.5						3275	1069	2.05	2803	1025	1.68							
1.7			3346	1118	2.24	2885	1074	1.97										
1.9			3009	1125	2.05													
2.1																		

CPG090 HIGH STATIC BELT DRIVE HORIZONTAL

ESP, In H_2O	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.7	DO NOT OPERATE															3567	903	1.58
0.9													3596	953	1.79	3145	906	1.39
1.1										3630	1007	1.97	3168	963	1.56	2675	909	1.18
1.3						3649	1063	2.19	3255	1021	1.8	2724	965	1.35				
1.5						3316	1068	2	2823	1058	1.61							
1.7			3287	1112	2.16	2869	1074	1.78										
1.9			2970	1122	2													
2.1			2644	1133	1.92													

NOTES:

Factory shipped at 2.5 turns open.

Tables represent dry coil without filter. To compensate for filter, add 0.08" to measured E.S.P.

SCFM correction for wet coil = 4%.

High static airflow requires installation of high static kit (HSKT*), or factory-built High Static model.

BLOWER PERFORMANCE DATA CPG102XXX3BXXX

BELT DRIVE - 8.5 TON

CPG102 STANDARD BELT DRIVE HORIZONTAL

ESP, In H_2O	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.1													3231	700	0.96	2928	656	0.75
0.3							3410	793	1.23	3121	744	0.99	2796	700	0.79			
0.5				3342	838	1.33	3009	796	1.06	2669	749	0.83						
0.7	3303	888	1.47	2944	843	1.15												
0.9	2814	893	1.26															

CPG102 STANDARD BELT DRIVE DOWN SHOT

ESP, In H_2O	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.1										3372	747	1.11	3078	703	0.91	2814	658	0.70
0.3							3187	797	1.16	2952	753	0.97	2650	703	0.73			
0.5				3237	841	1.29	2684	803	0.96	2453	754	0.77						
0.7	3303	890	1.47	2753	847	1.09												
0.9	2807	896	1.26															

CPG102 HIGH STATIC BELT DRIVE HORIZONTAL

ESP, In H_2O	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.7																3417	900	1.55
0.9													3446	950	1.76	2995	903	1.36
1.1										3480	1004	1.94	3018	960	1.53	2525	906	1.15
1.3							3499	1060	2.16	3105	1018	1.77	2574	962	1.32			
1.5							3166	1065	1.97	2673	1055	1.58						
1.7				3137	1109	2.13	2719	1071	1.75									
1.9	3107	1154	2.28	2820	1119	1.97												
2.1	2790	1164	2.12															

CPG102 HIGH STATIC BELT DRIVE DOWN SHOT

ESP, In H_2O	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.7																3425	901	1.63
0.9													3108	922	1.53	2963	906	1.38
1.1										3430	1010	1.94	2851	945	1.39	2572	912	1.22
1.3							3466	1060	2.14	3097	1016	1.76	2496	956	1.27			
1.5							3125	1066	2.02	2653	1022	1.65						
1.7				3196	1115	2.21	2735	1071	1.94									
1.9	3251	1160	2.36	2859	1122	2.02												
2.1	2914	1167	2.17															

NOTES:

Factory shipped at 2.5 turns open.

Tables represent dry coil without filter. To compensate for filter, add 0.08" to measured E.S.P.

SCFM correction for wet coil = 4%.

BLOWER PERFORMANCE DATA

CPG120XXX3****

BELT DRIVE - 10 TON

CPG120 STANDARD BELT DRIVE DOWN SHOT

ESP, In H_2O	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.2							4316	780	1.57	4118	738	1.36	3771	687	1.08	3376	644	0.85
0.4				4282	830	1.76	3928	786	1.4	3595	740	1.13						
0.6	4232	874	1.87	3872	830	1.52	3444	786	1.2									
0.8	3839	880	1.64	3367	836	1.27												
1	3326	885	1.4															
1.2																		

CPG120 STANDARD BELT DRIVE HORIZONTAL

ESP, In H_2O	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.2										4391	737	1.48	4054	693	1.22	3760	645	0.97
0.4							4314	781	1.61	3969	737	1.29	3534	693	1			
0.6				4255	826	1.69	3894	781	1.38	3447	743	1.09						
0.8	4234	876	1.85	3792	832	1.47												
1	3724	877	1.59															
1.2																		

CPG120 HIGH STATIC BELT DRIVE DOWN SHOT

ESP, In H_2O	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.8													4188	943	2.11	3793	889	1.67
1										4305	1002	2.39	3836	946	1.89	3416	893	1.45
1.2							4324	1053	2.63	3879	1003	2.11	3425	951	1.63			
1.4				4428	1109	2.92	3973	1056	2.35	3434	1009	1.8						
1.6	4465	1160	3.2	4088	1113	2.67	3506	1068	2.1									
1.8	4129	1168	2.9	3625	1122	2.3												
2	3694	1175	2.65															

CPG120 HIGH STATIC BELT DRIVE HORIZONTAL

ESP, In H_2O	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.8	DO NOT OPERATE															4408	885	2.02
1													4464	940	2.29	3929	891	1.76
1.2										4585	996	2.58	4026	946	2	3436	897	1.46
1.4							4697	1049	2.92	4141	1001	2.26	3509	951	1.7			
1.6							4264	1056	2.58	3663	1007	1.96						
1.8				4359	1105	2.85	3785	1061	2.22									
2				3907	1114	2.49												

NOTES:

Factory shipped at 2.5 turns open.

Tables represent dry coil without filter. To compensate for filter, add 0.08" to measured E.S.P.

SCFM correction for wet coil = 4%.

High static airflow requires installation of high static kit (HSKT*), or factory-built High Static model.

BLOWER PERFORMANCE DATA CPG150XXX3****

BELT DRIVE - 12.5 TON

CPG150 STANDARD BELT DRIVE DOWN SHOT

	0 TURNS		1 TURN		2 TURNS		3 TURNS		4 TURNS		5 TURNS	
ESP (IN W.C.)	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.2	5514	2.92	5604	3.22	5064	2.16	4775	1.81	4514	1.49	4271	1.23
0.4	5279	2.74	5110	2.40	4696	1.94	4447	1.63	4123	1.31		
0.6	5185	2.67	4813	2.20	4352	1.74	4039	1.43				
0.8	4766	2.37	4526	2.02								
1.0	4223	2.01										

CPG150 STANDARD BELT DRIVE HORIZONTAL

	0 TURNS		1 TURN		2 TURNS		3 TURNS		4 TURNS		5 TURNS	
ESP (IN W.C.)	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.2	5762	3.08	5485	2.63	5140	2.21	4855	1.84	4513	1.48	4197	1.20
0.4	5550	2.91	5207	2.44	4857	2.03	4489	1.64	4100	1.29		
0.6	5202	2.65	4922	2.25	4487	1.81	4113	1.45				
0.8	4898	2.43	4515	1.99	4074	1.58						
1.0	4549	2.20	4135	1.76								
1.2	4258	2.01										

CPG150 HIGH STATIC BELT DRIVE DOWN SHOT

	0 TURNS		1 TURN		2 TURNS		3 TURNS		4 TURNS		5 TURNS	
ESP (IN W.C.)	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.6									5515	3.21	5124	2.68
0.8					5840	4.06	5781	3.73	5344	3.07	4721	2.37
1.0			5908	4.49	5643	3.86	5369	3.36	4887	2.71	4365	2.13
1.2	5869	4.74	5542	4.11	5229	3.47	4853	2.92	4404	2.35	3986	1.88
1.4	5464	4.30	5180	3.75	4917	3.19	4584	2.71	4197	2.21		
1.6	5229	4.05	4960	3.53	4397	2.75	4204	2.41				
1.8	4961	3.78	4553	3.16								
2.0	4790	3.61	4315	2.95								

CPG150 HIGH STATIC BELT DRIVE HORIZONTAL

	0 TURNS		1 TURN		2 TURNS		3 TURNS		4 TURNS		5 TURNS	
ESP (IN W.C.)	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.6							5967	3.92	5451	3.16	5275	2.77
0.8							5628	3.61	5223	2.97	4959	2.54
1.0					5840	4.10	5385	3.39	4999	2.80	4635	2.31
1.2					5643	3.90	5003	3.06	4803	2.65	4160	1.99
1.4	6007	4.93	5740	4.32	5229	3.51	4576	2.71	4440	2.38		
1.6	5752	4.64	5401	3.97	4917	3.23						
1.8	5380	4.24	5033	3.61	4397	2.79						
2.0	5065	3.91	4573	3.18								

NOTES:

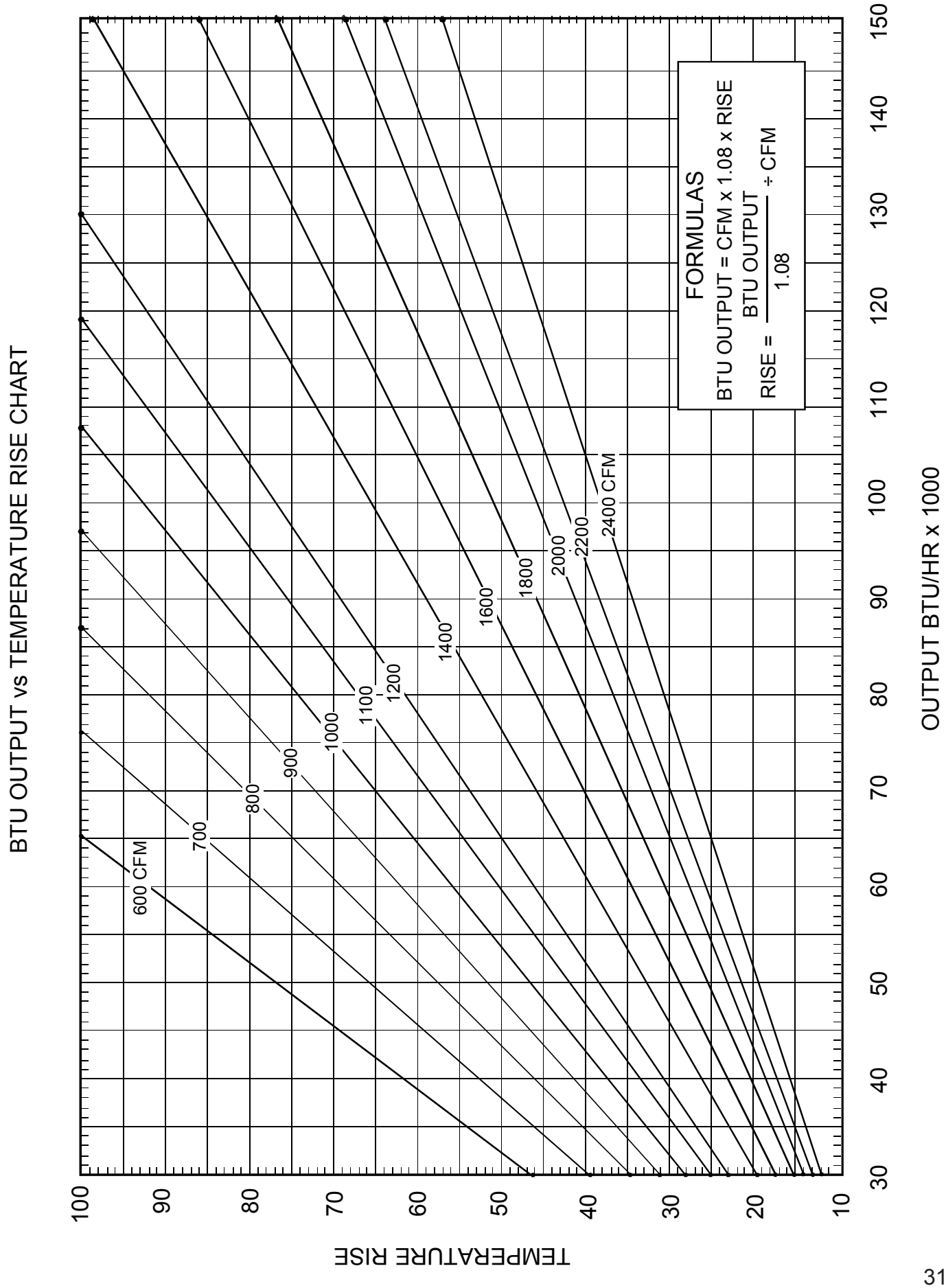
Factory shipped at 2.5 turns open.

Tables represent dry coil without filter. To compensate for filter, add 0.08" to measured E.S.P.

SCFM correction for wet coil = 4%.

High static airflow requires installation of high static kit (HSKT*), or factory-built High Static model.

BLOWER PERFORMANCE DATA



MODEL: CPG036XXXXXX**

EXPANDED PERFORMANCE DATA

COOLING OPERATION

Design Superheat 7±2 °F, Design Subcooling 12 ±2 °F pressures measured @ the suction and liquid service access fittings, ARI 95 test conditions

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1350	MBh	34.3	35.5	38.9	-	33.5	34.7	38.0	-	32.7	33.9	37.1	-	31.9	33.1	36.2	-	30.3	31.4	34.4	-	28.1	29.1	31.9	-
		S/T	0.74	0.62	0.43	-	0.77	0.64	0.45	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.85	0.71	0.49	-	0.85	0.71	0.49	-
		Delta T	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	17	15	11	-	16	14	11	-
		HI PR	228	245	259	-	256	275	290	-	291	313	330	-	331	356	376	-	372	401	423	-	411	443	468	-
		LO PR	104	110	120	-	110	117	127	-	114	121	132	-	120	127	139	-	125	133	146	-	130	138	151	-
	1200	MBh	33.3	34.5	37.8	-	32.5	33.7	36.9	-	31.7	32.9	36.1	-	31.0	32.1	35.2	-	29.4	30.5	33.4	-	27.3	28.3	31.0	-
		S/T	0.71	0.59	0.41	-	0.73	0.61	0.43	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.81	0.68	0.47	-
		Delta T	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
		HI PR	225	243	256	-	253	272	287	-	288	310	327	-	328	353	372	-	369	397	419	-	407	438	463	-
		LO PR	103	109	119	-	108	115	126	-	113	120	131	-	118	126	137	-	124	132	144	-	128	137	149	-
	1050	MBh	30.7	31.9	34.9	-	30.0	31.1	34.1	-	29.3	30.4	33.3	-	28.6	29.6	32.5	-	27.2	28.2	30.8	-	25.2	26.1	28.6	-
		S/T	0.68	0.57	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.78	0.65	0.45	-	0.78	0.66	0.45	-
		Delta T	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-
		HI PR	219	235	249	-	245	264	279	-	279	300	317	-	318	342	361	-	358	385	406	-	395	425	449	-
		LO PR	100	106	116	-	105	112	122	-	109	116	127	-	115	122	133	-	120	128	140	-	124	132	145	-
75	1350	MBh	34.9	35.9	38.9	41.7	34.1	35.1	38.0	40.7	33.3	34.2	37.1	39.8	32.4	**33.4**	36.2	38.8	30.8	31.7	34.4	36.9	28.6	29.4	31.8	34.2
		S/T	0.84	0.76	0.57	0.37	0.88	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.93	**0.83**	0.63	0.40	0.96	0.86	0.65	0.42	0.97	0.87	0.66	0.42
		DELTA T	20	18	15	10	20	19	15	11	20	19	15	11	20	**19**	15	11	20	19	15	11	19	17	14	10
		HI PR	230	248	261	273	258	278	293	306	294	316	334	348	334	**360**	380	396	376	405	427	446	416	447	472	493
		LO PR	105	111	122	130	111	118	129	137	115	122	134	142	121	**129**	140	149	127	135	147	157	131	139	152	162
	1200	MBh	33.9	34.9	37.7	40.5	33.1	34.1	36.9	39.6	32.3	33.2	36.0	38.6	31.5	**32.4**	35.1	37.7	29.9	30.8	33.3	35.8	27.7	28.5	30.9	33.2
		S/T	0.81	0.72	0.55	0.35	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.37	0.88	**0.79**	0.60	0.38	0.92	0.82	0.62	0.40	0.93	0.83	0.63	0.40
		DELTA T	21	19	16	11	21	19	16	11	21	20	16	11	21	**20**	16	11	21	19	16	11	20	18	15	10
		HI PR	228	245	259	270	256	275	290	303	291	313	330	345	331	**356**	376	392	372	401	423	441	412	443	468	488
		LO PR	104	110	120	128	110	117	127	135	114	121	132	141	120	**127**	139	148	125	133	146	155	130	138	151	160
	1050	MBh	31.3	32.2	34.8	37.4	30.5	31.4	34.0	36.5	29.8	30.7	33.2	35.6	29.1	**29.9**	32.4	34.8	27.6	28.4	30.8	33.0	25.6	26.3	28.5	30.6
		S/T	0.78	0.69	0.53	0.34	0.81	0.72	0.55	0.35	0.83	0.74	0.56	0.36	0.85	**0.76**	0.58	0.37	0.88	0.79	0.60	0.39	0.89	0.80	0.60	0.39
		DELTA T	21	20	16	11	22	20	16	11	22	20	16	11	22	**20**	16	11	21	20	16	11	20	18	15	10
		HI PR	221	238	251	262	248	267	282	294	282	303	320	334	321	**346**	365	381	361	389	411	428	399	430	454	473
		LO PR	101	107	117	124	106	113	123	131	110	117	128	137	116	**123**	135	143	122	129	141	150	126	134	146	156

Shaded area is ACCA (TVA) conditions

IDB: Entering Indoor Dry Bulb Temperature

High and low pressures are measured at the liquid and suction service access fittings.

MODEL: CPG036XXXXXX**

EXPANDED PERFORMANCE DATA

COOLING OPERATION

Design Superheat 7±2 °F, Design Subcooling 12 ±2 °F pressures measured @ the suction and liquid service access fittings, ARI 95 test conditions

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1350	MBh	35.5	36.3	38.8	41.4	34.7	35.4	37.9	40.5	33.8	34.6	37.0	39.5	33.0	33.7	36.1	38.5	31.4	32.1	34.2	36.6	29.1	29.7	31.7	33.9
		S/T	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.92	0.75	0.56	1.00	0.95	0.78	0.58	1.00	1.00	0.81	0.60	1.00	1.00	0.81	0.61
		Delta T	22	21	19	15	23	22	19	15	23	22	19	15	22	22	19	15	21	22	19	15	20	20	18	14
		HI PR	232	250	264	275	261	281	296	309	297	319	337	351	338	363	384	400	380	409	432	450	420	452	477	498
		LO PR	106	113	123	131	112	119	130	138	116	124	135	144	122	130	142	151	128	136	149	158	132	141	154	164
	1200	MBh	34.5	35.2	37.6	40.2	33.7	34.4	36.8	39.3	32.9	33.6	35.9	38.4	32.1	32.8	**35.0**	37.4	30.5	31.1	33.3	35.5	28.2	28.8	30.8	32.9
		S/T	0.88	0.83	0.67	0.50	0.92	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.97	0.91	**0.74**	0.55	1.00	0.94	0.77	0.57	1.00	0.95	0.77	0.58
		Delta T	23	22	19	16	24	23	20	16	24	23	20	16	24	23	**20**	16	23	22	20	16	22	21	18	15
		HI PR	230	248	261	273	258	278	293	306	294	316	334	348	334	360	**380**	396	376	405	428	446	416	447	472	493
		LO PR	105	111	122	130	111	118	129	137	115	122	134	142	121	129	**140**	149	127	135	147	157	131	139	152	162
	1050	MBh	31.8	32.5	34.7	37.1	31.1	31.7	33.9	36.3	30.3	31.0	33.1	35.4	29.6	30.2	32.3	34.5	28.1	28.7	30.7	32.8	26.0	26.6	28.4	30.4
		S/T	0.85	0.80	0.65	0.49	0.88	0.83	0.67	0.50	0.91	0.85	0.69	0.52	0.93	0.88	0.71	0.53	0.97	0.91	0.74	0.55	0.98	0.92	0.75	0.56
		Delta T	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	21	19	15
		HI PR	223	240	254	265	250	269	285	297	285	306	324	338	324	349	369	384	365	393	415	433	403	434	458	478
		LO PR	102	108	118	126	107	114	125	133	112	119	130	138	117	125	136	145	123	131	143	152	127	135	148	157
85	1350	MBh	36.1	36.8	38.6	41.1	35.3	36.0	37.7	40.2	34.4	35.1	36.8	39.2	33.6	34.2	35.9	38.3	31.9	32.5	34.1	36.4	29.6	30.1	31.6	33.7
		S/T	0.97	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.97	0.79
		Delta T	24	24	22	19	24	24	22	19	23	24	23	19	23	23	23	20	22	22	22	19	20	21	21	18
		HI PR	235	253	267	278	263	283	299	312	300	322	340	355	341	367	388	404	384	413	436	455	424	456	482	503
		LO PR	107	114	124	132	113	120	131	140	117	125	136	145	123	131	143	152	129	137	150	160	134	142	155	165
	1200	MBh	35.1	35.7	37.4	39.9	34.3	34.9	36.6	39.0	33.4	34.1	35.7	38.1	32.6	33.3	34.8	37.2	31.0	31.6	33.1	35.3	28.7	29.3	30.6	32.7
		S/T	0.93	0.89	0.81	0.65	0.96	0.93	0.84	0.68	0.98	0.95	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.93	0.75
		Delta T	25	24	23	20	25	25	23	20	25	25	23	20	25	25	24	20	24	24	23	20	22	22	22	19
		HI PR	232	250	264	275	261	281	296	309	297	319	337	351	338	363	384	400	380	409	432	450	420	452	477	498
		LO PR	106	113	123	131	112	119	130	138	116	124	135	144	122	130	142	151	128	136	149	158	132	141	154	164
	1050	MBh	32.4	33.0	34.6	36.9	31.6	32.2	33.8	36.0	30.9	31.5	32.9	35.1	30.1	30.7	32.1	34.3	28.6	29.2	30.5	32.6	26.5	27.0	28.3	30.2
		S/T	0.89	0.86	0.78	0.63	0.93	0.89	0.81	0.65	0.95	0.92	0.83	0.67	0.98	0.95	0.85	0.69	1.00	0.98	0.89	0.72	1.00	0.99	0.89	0.72
		Delta T	25	25	24	20	26	25	24	21	26	25	24	21	26	25	24	21	25	25	24	20	23	23	22	19
		HI PR	225	243	256	267	253	272	287	300	288	310	327	341	328	353	372	388	369	397	419	437	407	438	463	483
		LO PR	103	109	119	127	108	115	126	134	113	120	131	139	118	126	137	146	124	132	144	153	128	136	149	159

* Entering Indoor Dry Bulb Temperature NOTE: Shaded area is ARI Rating Conditions

High and low pressures are measured at the liquid and suction service access fittings.

MODEL: CPG048XXXXXX**

EXPANDED PERFORMANCE DATA

COOLING OPERATION

Design Superheat 7±2 °F, Design Subcooling 12 ±2 °F pressures measured @ the suction and liquid service access fittings, ARI 95 test conditions

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1800	MBh	45.1	46.7	51.2	-	44.0	45.6	50.0	-	43.0	44.5	48.8	-	41.9	43.5	47.6	-	39.8	41.3	45.2	-	36.9	38.2	41.9	-
		S/T	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.82	0.69	0.48	-	0.85	0.71	0.49	-	0.88	0.74	0.51	-	0.89	0.74	0.51	-
		Delta T	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	14	11	-
		HI PR	234	252	266	-	263	283	299	-	299	322	340	-	341	367	387	-	383	412	435	-	423	456	481	-
		LO PR	105	112	122	-	111	119	129	-	116	123	134	-	122	129	141	-	127	136	148	-	132	140	153	-
	1600	MBh	43.8	45.4	49.7	-	42.7	44.3	48.5	-	41.7	43.2	47.4	-	40.7	42.2	46.2	-	38.7	40.1	43.9	-	35.8	37.1	40.7	-
		S/T	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.84	0.70	0.49	-	0.85	0.71	0.49	-
		Delta T	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-
		HI PR	232	250	264	-	260	280	296	-	296	319	336	-	337	363	383	-	379	408	431	-	419	451	476	-
		LO PR	104	111	121	-	110	117	128	-	115	122	133	-	120	128	140	-	126	134	147	-	131	139	152	-
	1400	MBh	40.4	41.9	45.9	-	39.5	40.9	44.8	-	38.5	39.9	43.7	-	37.6	38.9	42.7	-	35.7	37.0	40.5	-	33.1	34.3	37.5	-
		S/T	0.71	0.59	0.41	-	0.74	0.62	0.43	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.82	0.68	0.47	-
		Delta T	19	16	12	-	19	17	13	-	19	17	13	-	19	17	13	-	19	16	12	-	18	15	12	-
		HI PR	225	242	256	-	253	272	287	-	287	309	326	-	327	352	372	-	368	396	418	-	407	438	462	-
		LO PR	101	108	118	-	107	114	124	-	111	118	129	-	117	124	136	-	122	130	142	-	127	135	147	-
75	1800	MBh	45.8	47.2	51.1	54.8	44.8	46.1	49.9	53.6	43.7	45.0	48.7	52.3	42.6	**43.9**	47.5	51.0	40.5	41.7	45.1	48.5	37.5	38.6	41.8	44.9
		S/T	0.88	0.79	0.60	0.38	0.91	0.81	0.62	0.40	0.93	0.84	0.63	0.41	0.96	**0.86**	0.65	0.42	1.00	0.90	0.68	0.44	1.00	0.90	0.68	0.44
		Delta T	21	19	16	11	21	19	16	11	21	19	16	11	21	**19**	16	11	21	19	16	11	19	18	15	10
		HI PR	237	255	269	281	266	286	302	315	302	325	343	358	344	**370**	391	408	387	417	440	459	428	460	486	507
		LO PR	107	113	124	132	113	120	131	139	117	124	136	145	123	**131**	143	152	129	137	150	159	133	142	155	165
	1600	MBh	44.5	45.8	49.6	53.2	43.5	44.8	48.4	52.0	42.4	43.7	47.3	50.8	41.4	**42.6**	46.1	49.5	39.3	40.5	43.8	47.0	36.4	37.5	40.6	43.6
		S/T	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.89	0.80	0.60	0.39	0.92	**0.82**	0.62	0.40	0.95	0.85	0.65	0.42	0.96	0.86	0.65	0.42
		1600	21	20	16	11	22	20	16	11	22	20	16	11	22	**20**	17	11	22	20	16	11	20	19	15	10
		HI PR	234	252	266	278	263	283	299	312	299	322	340	354	341	**367**	387	404	383	412	435	454	423	456	481	502
		LO PR	105	112	122	130	111	119	129	138	116	123	134	143	122	**129**	141	150	127	136	148	158	132	140	153	163
	1400	MBh	41.1	42.3	45.8	49.1	40.1	41.3	44.7	48.0	39.2	40.3	43.7	46.8	38.2	**39.3**	42.6	45.7	36.3	37.4	40.5	43.4	33.6	34.6	37.5	40.2
		S/T	0.81	0.72	0.55	0.35	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.37	0.89	**0.79**	0.60	0.39	0.92	0.82	0.62	0.40	0.93	0.83	0.63	0.40
		Delta T	22	20	16	11	22	20	17	11	22	20	17	12	22	**20**	17	12	22	20	17	11	20	19	15	11
		HI PR	227	245	258	269	255	275	290	302	290	312	330	344	330	**356**	375	392	372	400	422	441	411	442	467	487
		LO PR	102	109	119	127	108	115	126	134	112	119	130	139	118	**126**	137	146	124	132	144	153	128	136	149	158

Shaded area is ACCA (TVA) conditions IDB: Entering Indoor Dry Bulb Temperature

High and low pressures are measured at the liquid and suction service access fittings.

MODEL: CPG048XXX**XXX

EXPANDED PERFORMANCE DATA

COOLING OPERATION

Design Superheat 7±2 °F, Design Subcooling 12 ±2 °F pressures measured @ the suction and liquid service access fittings, ARI 95 test conditions

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1800	MBh	46.7	47.7	50.9	54.4	45.6	46.6	49.7	53.2	44.5	45.5	48.6	51.9	43.4	44.3	47.4	50.6	41.2	42.1	45.0	48.1	38.2	39.0	41.7	44.6
		S/T	0.96	0.90	0.74	0.55	1.00	0.94	0.76	0.57	1.00	0.96	0.78	0.58	1.00	1.00	0.81	0.60	1.00	1.00	0.84	0.63	1.00	1.00	0.84	0.63
		Delta T	23	22	19	15	23	22	19	15	23	22	19	16	22	23	20	16	21	22	19	15	20	20	18	14
		HI PR	239	257	272	283	268	289	305	318	305	328	347	362	348	374	395	412	391	421	444	463	432	465	491	512
		LO PR	108	114	125	133	114	121	132	141	118	126	137	146	124	132	144	153	130	138	151	161	135	143	156	166
	1600	MBh	45.3	46.3	49.5	52.9	44.2	45.2	48.3	51.6	43.2	44.1	47.2	50.4	42.1	43.1	**46.0**	49.2	40.0	40.9	43.7	46.7	37.1	37.9	40.5	43.3
		S/T	0.92	0.86	0.70	0.52	0.95	0.89	0.73	0.54	0.98	0.92	0.75	0.56	1.00	0.95	**0.77**	0.58	1.00	0.98	0.80	0.60	1.00	0.99	0.81	0.60
		Delta T	24	23	20	16	24	23	20	16	24	23	20	16	24	23	**20**	16	23	23	20	16	21	22	19	15
		HI PR	237	255	269	281	266	286	302	315	302	325	343	358	344	370	**391**	408	387	417	440	459	428	460	486	507
		LO PR	107	113	124	132	113	120	131	139	117	124	136	145	123	131	**143**	152	129	137	150	159	133	142	155	165
	1400	MBh	41.8	42.7	45.6	48.8	40.8	41.7	44.6	47.7	39.9	40.7	43.5	46.5	38.9	39.7	42.5	45.4	36.9	37.8	40.3	43.1	34.2	35.0	37.4	39.9
		S/T	0.89	0.83	0.68	0.51	0.92	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.55	1.01	0.95	0.77	0.58	1.02	0.95	0.78	0.58
		Delta T	24	23	20	16	25	24	21	16	25	24	21	16	25	24	21	17	24	23	20	16	23	22	19	15
		HI PR	230	247	261	272	258	277	293	305	293	315	333	347	334	359	379	396	375	404	427	445	415	446	471	492
		LO PR	103	110	120	128	109	116	127	135	113	121	132	140	119	127	138	147	125	133	145	154	129	137	150	160
85	1800	MBh	47.5	48.4	50.7	54.1	46.4	47.3	49.5	52.8	45.3	46.1	48.3	51.6	44.2	45.0	47.1	50.3	42.0	42.8	44.8	47.8	38.9	39.6	41.5	44.3
		S/T	1.00	0.98	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.97	0.78	1.00	1.00	1.00	0.81	1.00	1.00	1.00	0.82
		Delta T	24	24	23	20	24	24	23	20	23	24	23	20	23	23	23	20	21	22	23	20	20	20	21	19
		HI PR	241	260	274	286	271	292	308	321	308	332	350	365	351	378	399	416	395	425	449	468	436	470	496	517
		LO PR	109	116	126	134	115	122	133	142	119	127	139	148	125	133	146	155	131	140	153	162	136	145	158	168
	1600	MBh	46.1	47.0	49.2	52.5	45.0	45.9	48.1	51.3	43.9	44.8	46.9	50.1	42.9	43.7	45.8	48.8	40.7	41.5	43.5	46.4	37.7	38.5	40.3	43.0
		S/T	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.71	1.00	0.99	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.96	0.78
		Delta T	26	25	24	21	26	25	24	21	25	25	24	21	25	25	24	21	23	24	24	21	22	22	22	19
		HI PR	239	257	272	283	268	289	305	318	305	328	347	362	348	374	395	412	391	421	444	463	432	465	491	512
		LO PR	108	114	125	133	114	121	132	141	118	126	137	146	124	132	144	153	130	138	151	161	135	143	156	166
	1400	MBh	42.5	43.4	45.4	48.5	41.5	42.4	44.4	47.3	40.6	41.3	43.3	46.2	39.6	40.3	42.2	45.1	37.6	38.3	40.1	42.8	34.8	35.5	37.2	39.7
		S/T	0.93	0.90	0.81	0.66	0.96	0.93	0.84	0.68	0.99	0.95	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.93	0.75
		Delta T	26	26	24	21	26	26	24	21	26	26	24	21	26	26	25	21	25	25	24	21	23	23	23	20
		HI PR	232	250	264	275	260	280	296	308	296	319	336	351	337	363	383	400	379	408	431	449	419	451	476	497
		LO PR	104	111	121	129	110	117	128	136	115	122	133	142	120	128	140	149	126	134	147	156	130	139	152	161

* Entering Indoor Dry Bulb Temperature NOTE: Shaded area is ARI Rating Conditions

High and low pressures are measured at the liquid and suction service access fittings.

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: CPG060XXXXXX** — **Design Subcooling 9 ±3 °F @ the liquid and suction service access fittings, ARI 95 test conditions**

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	2190	MBh	58.6	60.7	66.5	-	57.2	59.3	65.0	-	55.9	57.9	63.5	-	54.5	56.5	61.9	-	51.8	53.7	58.8	-	48.0	49.7	54.5	-
		S/T	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.82	0.69	0.48	-
		DELTA T	18	15	12	-	18	15	12	-	18	15	12	-	18	16	12	-	18	15	12	-	17	14	11	-
		HI PR	247	266	281	-	277	299	315	-	316	340	359	-	359	387	408	-	404	435	459	-	447	481	508	-
		LO PR	105	112	122	-	111	118	129	-	116	123	134	-	121	129	141	-	127	135	148	-	132	140	153	-
	1947	MBh	56.9	59.0	64.6	-	55.6	57.6	63.1	-	54.2	56.2	61.6	-	52.9	54.9	60.1	-	50.3	52.1	57.1	-	46.6	48.3	52.9	-
		S/T	0.68	0.57	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.78	0.65	0.45	-	0.79	0.66	0.45	-
		DELTA T	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-
		HI PR	245	263	278	-	275	296	312	-	312	336	355	-	356	383	404	-	400	431	455	-	442	476	503	-
		LO PR	104	111	121	-	110	117	128	-	114	122	133	-	120	128	140	-	126	134	146	-	130	139	151	-
	1703	MBh	52.5	54.4	59.6	-	51.3	53.2	58.2	-	50.1	51.9	56.9	-	48.9	50.6	55.5	-	46.4	48.1	52.7	-	43.0	44.6	48.8	-
		S/T	0.66	0.55	0.38	-	0.68	0.57	0.40	-	0.70	0.59	0.41	-	0.72	0.60	0.42	-	0.75	0.63	0.43	-	0.76	0.63	0.44	-
		DELTA T	19	16	12	-	19	16	12	-	19	16	12	-	19	17	13	-	19	16	12	-	18	15	12	-
		HI PR	237	256	270	-	266	287	303	-	303	326	344	-	345	371	392	-	388	418	441	-	429	462	488	-
		LO PR	101	107	117	-	107	114	124	-	111	118	129	-	117	124	135	-	122	130	142	-	126	134	147	-
75	2190	MBh	59.6	61.4	66.4	71.3	58.2	59.9	64.9	69.6	56.8	58.5	63.3	68.0	55.4	**57.1**	61.8	66.3	52.7	54.2	58.7	63.0	48.8	50.2	54.4	58.4
		S/T	0.82	0.73	0.55	0.36	0.85	0.76	0.57	0.37	0.87	0.78	0.59	0.38	0.89	**0.80**	0.61	0.39	0.93	0.83	0.63	0.40	0.94	0.84	0.63	0.41
		DELTA T	20	19	15	11	21	19	16	11	21	19	16	11	21	**19**	16	11	21	19	15	11	19	18	14	10
		HI PR	250	269	284	296	280	302	318	332	319	343	362	378	363	**391**	413	430	408	440	464	484	451	486	513	535
		LO PR	106	113	123	131	112	119	130	139	117	124	136	144	123	**130**	142	152	128	137	149	159	133	141	154	164
	1947	MBh	57.9	59.6	64.5	69.2	56.5	58.2	63.0	67.6	55.2	56.8	61.5	66.0	53.8	**55.4**	60.0	64.4	51.1	52.6	57.0	61.2	47.4	48.8	52.8	56.7
		S/T	0.78	0.70	0.53	0.34	0.81	0.72	0.55	0.35	0.83	0.74	0.56	0.36	0.85	**0.76**	0.58	0.37	0.89	0.79	0.60	0.39	0.89	0.80	0.60	0.39
		DELTA T	21	20	16	11	22	20	16	11	22	20	16	11	22	**20**	16	11	21	20	16	11	20	18	15	10
		HI PR	247	266	281	293	278	299	315	329	316	340	359	374	359	**387**	408	426	404	435	460	479	447	481	508	530
		LO PR	105	112	122	130	111	118	129	137	116	123	134	143	121	**129**	141	150	127	135	148	157	132	140	153	163
	1703	MBh	53.4	55.0	59.5	63.9	52.2	53.7	58.1	62.4	50.9	52.4	56.7	60.9	49.7	**51.1**	55.4	59.4	47.2	48.6	52.6	56.4	43.7	45.0	48.7	52.3
		S/T	0.75	0.67	0.51	0.33	0.78	0.70	0.53	0.34	0.80	0.71	0.54	0.35	0.82	**0.74**	0.56	0.36	0.85	0.76	0.58	0.37	0.86	0.77	0.58	0.38
		DELTA T	22	20	16	11	22	20	17	11	22	20	17	11	22	**20**	17	11	22	20	16	11	20	19	15	11
		HI PR	240	258	273	284	269	290	306	319	306	329	348	363	349	**375**	396	413	392	422	446	465	433	466	493	514
		LO PR	102	109	119	126	108	115	125	133	112	119	130	139	118	**125**	137	146	123	131	143	153	128	136	148	158

Shaded area is ACCA (TVA) conditions — IDB: Entering Indoor Dry Bulb Temperature

High and low pressures are measured at the liquid and suction service access fittings.

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: CPG060XXXXXX**

Design Subcooling 9 ±3 °F @ the liquid and suction service access fittings, ARI 95 test conditions

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	2190	MBh	60.7	62.0	66.2	70.8	59.2	60.5	64.7	69.1	57.8	59.1	63.1	67.5	56.4	57.7	61.6	65.8	53.6	54.8	58.5	62.6	49.7	50.7	54.2	57.9
		S/T	0.89	0.84	0.68	0.51	0.93	0.87	0.71	0.53	0.95	0.89	0.73	0.54	1.00	0.92	0.75	0.56	1.00	0.96	0.78	0.58	1.00	0.96	0.78	0.59
		DELTA T	23	22	19	15	23	22	19	15	23	22	19	15	24	22	19	15	23	22	19	15	21	21	18	14
		HI PR	252	272	287	299	283	305	322	336	322	346	366	382	367	395	417	435	413	444	469	489	456	491	518	540
		LO PR	107	114	125	133	113	121	132	140	118	125	137	146	124	132	144	153	130	138	151	160	134	143	156	166
	1947	MBh	58.9	60.2	64.3	68.7	57.5	58.8	62.8	67.1	56.1	57.4	61.3	65.5	54.8	56.0	**59.8**	63.9	52.0	53.2	56.8	60.7	48.2	49.3	52.6	56.3
		S/T	0.85	0.80	0.65	0.49	0.88	0.83	0.67	0.50	0.91	0.85	0.69	0.52	0.94	0.88	**0.71**	0.53	0.97	0.91	0.74	0.55	0.98	0.92	0.75	0.56
		DELTA T	24	23	20	16	24	23	20	16	24	23	20	16	24	23	**20**	16	24	23	20	16	22	21	19	15
		HI PR	250	269	284	296	280	302	319	332	319	343	362	378	363	391	**413**	430	408	440	464	484	451	486	513	535
		LO PR	106	113	123	131	112	119	130	139	117	124	136	144	123	130	**142**	152	128	137	149	159	133	141	154	164
	1703	MBh	54.4	55.5	59.3	63.4	53.1	54.2	58.0	62.0	51.8	53.0	56.6	60.5	50.6	51.7	55.2	59.0	48.0	49.1	52.4	56.1	44.5	45.5	48.6	51.9
		S/T	0.82	0.77	0.63	0.47	0.85	0.80	0.65	0.49	0.87	0.82	0.67	0.50	0.90	0.85	0.69	0.51	0.94	0.88	0.71	0.53	0.94	0.89	0.72	0.54
		DELTA T	24	23	20	16	24	23	20	16	24	23	20	16	25	24	21	16	24	23	20	16	23	22	19	15
		HI PR	242	261	275	287	272	293	309	322	309	333	351	367	352	379	400	417	396	426	450	470	438	471	497	519
		LO PR	103	110	120	128	109	116	126	135	113	120	131	140	119	126	138	147	125	133	145	154	129	137	150	159
85	2190	MBh	61.7	62.9	65.9	70.3	60.3	61.4	64.4	68.7	58.8	60.0	62.8	67.0	57.4	58.5	61.3	65.4	54.5	55.6	58.2	62.1	50.5	51.5	53.9	57.5
		S/T	0.94	0.90	0.82	0.66	0.97	0.94	0.85	0.69	1.00	0.96	0.87	0.70	1.00	0.99	0.90	0.73	1.00	1.00	0.93	0.75	1.00	1.00	0.94	0.76
		DELTA T	24	24	23	20	25	24	23	20	25	24	23	20	24	24	23	20	23	23	23	20	21	22	21	18
		HI PR	255	274	290	302	286	308	325	339	325	350	370	385	370	399	421	439	417	448	474	494	460	495	523	546
		LO PR	108	115	126	134	115	122	133	142	119	127	138	147	125	133	145	155	131	139	152	162	136	144	157	168
	1947	MBh	59.9	61.1	64.0	68.2	58.5	59.7	62.5	66.7	57.1	58.2	61.0	65.1	55.7	56.8	59.5	63.5	52.9	54.0	56.5	60.3	49.0	50.0	52.4	55.9
		S/T	0.89	0.86	0.78	0.63	0.93	0.89	0.81	0.65	0.95	0.92	0.83	0.67	0.98	0.95	0.85	0.69	1.00	0.98	0.89	0.72	1.00	0.99	0.89	0.73
		DELTA T	25	25	24	20	26	25	24	21	26	25	24	21	26	25	24	21	25	25	24	20	23	23	22	19
		HI PR	252	272	287	299	283	305	322	336	322	346	366	382	367	395	417	435	413	444	469	489	456	491	518	540
		LO PR	107	114	125	133	113	121	132	140	118	125	137	146	124	132	144	153	130	138	151	160	134	143	156	166
	1703	MBh	55.3	56.4	59.0	63.0	54.0	55.1	57.7	61.5	52.7	53.8	56.3	60.1	51.4	52.4	54.9	58.6	48.9	49.8	52.2	55.7	45.3	46.1	48.3	51.6
		S/T	0.86	0.83	0.75	0.61	0.89	0.86	0.78	0.63	0.92	0.88	0.80	0.65	0.95	0.91	0.82	0.67	0.98	0.95	0.86	0.69	0.99	0.96	0.86	0.70
		DELTA T	26	25	24	21	26	26	24	21	26	26	24	21	26	26	24	21	26	25	24	21	24	24	22	19
		HI PR	245	263	278	290	275	296	312	325	312	336	355	370	356	383	404	422	400	431	455	474	442	476	502	524
		LO PR	104	111	121	129	110	117	128	136	114	122	133	141	120	128	139	149	126	134	146	156	130	138	151	161

Shaded area is ARI Rating Conditions IDB: Entering Indoor Dry Bulb Temperature

High and low pressures are measured at the liquid and suction service access fittings.

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: CPG090*XXXX**

Design Superheat 7±2 °F, Design Subcooling 12 ±2 °F pressures measured @ the suction and liquid access fittings, ARI 95 test conditions

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	3375	MBh	88.2	91.4	100.2	-	86.1	89.3	97.8	-	84.1	87.2	95.5	-	82.0	85.0	93.2	-	77.9	80.8	88.5	-	72.2	74.8	82.0	-
		S/T	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.47	-	0.83	0.70	0.48	-	0.84	0.70	0.49	-
		Delta T	18	15	12	-	18	15	12	-	18	15	12	-	18	16	12	-	18	15	12	-	17	14	11	-
		HI PR	234	252	266	-	262	282	298	-	298	321	339	-	340	366	386	-	382	411	434	-	422	454	480	-
		LO PR	108	115	126	-	114	122	133	-	119	126	138	-	125	133	145	-	131	139	152	-	135	144	157	-
	3000	MBh	85.6	88.7	97.2	-	83.6	86.7	95.0	-	81.6	84.6	92.7	-	79.7	82.6	90.5	-	75.7	78.4	85.9	-	70.1	72.6	79.6	-
		S/T	0.70	0.58	0.40	-	0.72	0.61	0.42	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.80	0.66	0.46	-	0.80	0.67	0.46	-
		Delta T	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-
		HI PR	231	249	263	-	260	279	295	-	295	318	336	-	336	362	382	-	378	407	430	-	418	450	475	-
		LO PR	107	114	124	-	113	120	132	-	118	125	137	-	124	132	144	-	130	138	150	-	134	143	156	-
	2400	MBh	79.0	81.9	89.7	-	77.2	80.0	87.7	-	75.4	78.1	85.6	-	73.5	76.2	83.5	-	69.8	72.4	79.3	-	64.7	67.1	73.5	-
		S/T	0.67	0.56	0.39	-	0.70	0.58	0.40	-	0.72	0.60	0.41	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.77	0.65	0.45	-
		Delta T	20	18	13	-	21	18	14	-	21	18	14	-	21	18	14	-	21	18	13	-	19	17	13	-
		HI PR	224	242	255	-	252	271	286	-	286	308	326	-	326	351	371	-	367	395	417	-	406	436	461	-
		LO PR	104	111	121	-	110	117	128	-	114	121	133	-	120	128	139	-	126	134	146	-	130	138	151	-
75	3375	MBh	89.7	92.3	100.0	107.3	87.6	90.2	97.6	104.8	85.5	88.0	95.3	102.3	83.4	**85.9**	93.0	99.8	79.3	81.6	88.3	94.8	73.4	75.6	81.8	87.8
		S/T	0.83	0.75	0.56	0.36	0.86	0.77	0.58	0.38	0.89	0.79	0.60	0.39	0.91	**0.82**	0.62	0.40	0.95	0.85	0.64	0.41	0.96	0.86	0.65	0.42
		Delta T	20	19	15	11	21	19	16	11	21	19	16	11	21	**19**	16	11	20	19	15	11	19	18	14	10
		HI PR	236	254	268	280	265	285	301	314	301	324	342	357	343	**369**	390	407	386	415	439	458	427	459	485	506
		LO PR	109	116	127	135	116	123	134	143	120	128	139	149	126	**134**	146	156	132	141	154	163	137	145	159	169
	3000	MBh	87.1	89.7	97.0	104.1	85.1	87.6	94.8	101.7	83.0	85.5	92.5	99.3	81.0	**83.4**	90.3	96.9	77.0	79.2	85.8	92.0	71.3	73.4	79.4	85.3
		S/T	0.79	0.71	0.54	0.35	0.82	0.74	0.56	0.36	0.84	0.76	0.57	0.37	0.87	**0.78**	0.59	0.38	0.90	0.81	0.61	0.39	0.91	0.82	0.62	0.40
		Delta T	21	20	16	11	21	20	16	11	21	20	16	11	22	**20**	16	11	21	20	16	11	20	18	15	10
		HI PR	234	252	266	277	262	282	298	311	298	321	339	354	340	**366**	386	403	382	411	434	453	422	454	480	501
		LO PR	108	115	126	134	114	122	133	141	119	126	138	147	125	**133**	145	154	131	139	152	162	135	144	157	167
	2400	MBh	80.4	82.7	89.6	96.1	78.5	80.8	87.5	93.9	76.6	78.9	85.4	91.7	74.8	**77.0**	83.3	89.4	71.0	73.1	79.2	85.0	65.8	67.7	73.3	78.7
		S/T	0.77	0.69	0.52	0.33	0.79	0.71	0.54	0.35	0.81	0.73	0.55	0.35	0.84	**0.75**	0.57	0.37	0.87	0.78	0.59	0.38	0.88	0.79	0.60	0.38
		Delta T	24	22	18	12	24	22	18	12	24	22	18	12	24	**22**	18	13	24	22	18	12	22	20	17	12
		HI PR	227	244	258	269	254	274	289	302	289	311	329	343	330	**355**	375	391	371	399	421	439	410	441	466	486
		LO PR	105	112	122	130	111	118	129	137	115	123	134	143	121	**129**	141	150	127	135	147	157	131	140	153	162

Shaded area is ACCA (TVA) conditions

IDB: Entering Indoor Dry Bulb Temperature

High and low pressures are measured at the liquid and suction access fittings.

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: CPG090*XXXX**

Design Superheat 7±2 °F, Design Subcooling 12 ±2 °F pressures measured @ the suction and liquid access fittings, ARI 95 test conditions

			Outdoor Ambient Temperature																					
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																					
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	3375	MBh	91.3	93.3	99.7	106.5	89.2	91.1	97.3	104.1	87.0	88.9	95.0	101.6	84.9	86.8	92.7	99.1	80.7	82.4	88.1	94.1	74.7	76.4	81.6	87.2
		S/T	0.91	0.86	0.70	0.52	0.95	0.89	0.72	0.54	1.00	0.91	0.74	0.55	1.00	0.94	0.77	0.57	1.00	1.00	0.79	0.59	1.00	1.00	0.80	0.60
		Delta T	23	22	19	15	23	22	19	15	24	22	19	15	23	22	19	15	22	22	19	15	20	21	18	14
		HI PR	238	257	271	283	268	288	304	317	304	328	346	361	347	373	394	411	390	420	443	462	431	464	490	511
		LO PR	110	118	128	137	117	124	136	144	121	129	141	150	127	136	148	158	134	142	155	165	138	147	160	171
	3000	MBh	88.6	90.6	96.8	103.4	86.6	88.5	94.5	101.0	84.5	86.3	92.3	98.6	82.4	84.2	**90.0**	96.2	78.3	80.0	85.5	91.4	72.5	74.1	79.2	84.7
		S/T	0.87	0.82	0.67	0.50	0.90	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.96	0.90	**0.73**	0.55	0.99	0.93	0.76	0.57	1.00	0.94	0.76	0.57
		Delta T	24	23	20	16	24	23	20	16	24	23	20	16	24	23	**20**	16	24	23	20	16	22	21	19	15
		HI PR	236	254	268	280	265	285	301	314	301	324	342	357	343	369	**390**	407	386	415	439	458	427	459	485	506
		LO PR	109	116	127	135	116	123	134	143	120	128	139	149	126	134	**147**	156	132	141	154	164	137	145	159	169
	2400	MBh	81.8	83.6	89.3	95.5	79.9	81.6	87.2	93.2	78.0	79.7	85.1	91.0	76.1	77.8	83.1	88.8	72.3	73.9	78.9	84.4	67.0	68.4	73.1	78.1
		S/T	0.84	0.79	0.64	0.48	0.87	0.82	0.67	0.50	0.89	0.84	0.68	0.51	0.92	0.86	0.70	0.53	0.96	0.90	0.73	0.55	0.97	0.91	0.74	0.55
		Delta T	26	25	22	18	27	26	22	18	27	26	22	18	27	26	22	18	27	25	22	18	25	24	21	16
		HI PR	229	246	260	271	257	277	292	305	292	315	332	346	333	358	378	395	375	403	426	444	414	445	470	490
		LO PR	106	113	123	131	112	119	130	139	116	124	135	144	122	130	142	151	128	136	149	159	133	141	154	164
85	3375	MBh	92.9	94.7	99.2	105.8	90.7	92.5	96.8	103.3	88.6	90.3	94.5	100.9	86.4	88.1	92.2	98.4	82.1	83.7	87.6	93.5	76.0	77.5	81.2	86.6
		S/T	0.96	0.92	0.83	0.68	0.99	0.96	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.96	0.78
		Delta T	24	24	23	20	25	24	23	20	24	24	23	20	24	24	23	20	22	23	23	20	21	21	21	18
		HI PR	241	259	274	285	270	291	307	320	307	331	349	364	350	377	398	415	394	424	448	467	435	468	495	516
		LO PR	112	119	130	138	118	125	137	146	122	130	142	152	129	137	149	159	135	143	157	167	139	148	162	173
	3000	MBh	90.2	91.9	96.3	102.7	88.1	89.8	94.0	100.3	86.0	87.6	91.8	97.9	83.9	85.5	89.6	95.5	79.7	81.2	85.1	90.8	73.8	75.2	78.8	84.1
		S/T	0.91	0.88	0.80	0.65	0.95	0.91	0.82	0.67	0.97	0.94	0.85	0.69	1.00	0.97	0.87	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.91	0.74
		Delta T	25	25	23	20	26	25	24	21	26	25	24	21	26	25	24	21	24	25	24	20	23	23	22	19
		HI PR	238	257	271	283	268	288	304	317	304	328	346	361	347	373	394	411	390	420	443	462	431	464	490	511
		LO PR	110	118	128	137	117	124	136	144	121	129	141	150	127	136	148	158	134	142	155	165	138	147	160	171
	2400	MBh	83.2	84.8	88.9	94.8	81.3	82.9	86.8	92.6	79.4	80.9	84.7	90.4	77.4	78.9	82.7	88.2	73.6	75.0	78.5	83.8	68.1	69.4	72.7	77.6
		S/T	0.88	0.85	0.77	0.62	0.91	0.88	0.80	0.65	0.94	0.90	0.82	0.66	0.97	0.93	0.84	0.68	1.00	0.97	0.87	0.71	1.00	0.98	0.88	0.71
		Delta T	28	28	26	23	28	28	26	23	28	28	26	23	29	28	27	23	28	28	26	23	26	26	25	21
		HI PR	231	249	263	274	260	279	295	308	295	318	335	350	336	362	382	399	378	407	430	448	418	450	475	495
		LO PR	107	114	124	133	113	120	131	140	118	125	137	146	124	131	144	153	130	138	150	160	134	143	156	166

* Entering Indoor Dry Bulb Temperature NOTE: Shaded area is ARI Rating Conditions

High and low pressures are measured at the liquid and suction access fittings.

MODEL: CPG102XXX*BXXX

EXPANDED PERFORMANCE DATA

COOLING OPERATION

Design Subcooling, 10±2 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 8±2°F @ the compressor suction access fitting connection.

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	3600	MBh	100.0	103.6	113.5	-	97.6	101.2	110.9	-	95.3	98.8	108.2	-	93.0	96.4	105.6	-	88.3	91.6	100.3	-	81.8	84.8	92.9	-
		S/T	0.69	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.80	0.67	0.46	-
		Delta T	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	15	12	-	17	14	11	-
		HI PR	245	263	278	-	274	295	312	-	312	336	355	-	355	382	404	-	400	430	454	-	442	475	502	-
		LO PR	104	110	120	-	109	116	127	-	114	121	132	-	119	127	139	-	125	133	145	-	130	138	150	-
	3200	MBh	97.0	100.6	110.2	-	94.8	98.2	107.6	-	92.5	95.9	105.1	-	90.3	93.6	102.5	-	85.8	88.9	97.4	-	79.4	82.3	90.2	-
		S/T	0.66	0.55	0.38	-	0.69	0.57	0.40	-	0.70	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.76	0.63	0.44	-
		Delta T	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-
		HI PR	242	261	275	-	272	292	309	-	309	332	351	-	352	379	400	-	396	426	450	-	437	471	497	-
		LO PR	103	109	119	-	108	115	126	-	113	120	131	-	118	126	137	-	124	132	144	-	128	136	149	-
	2800	MBh	89.6	92.8	101.7	-	87.5	90.7	99.3	-	85.4	88.5	97.0	-	83.3	86.4	94.6	-	79.2	82.0	89.9	-	73.3	76.0	83.3	-
		S/T	0.64	0.53	0.37	-	0.66	0.55	0.38	-	0.68	0.57	0.39	-	0.70	0.58	0.41	-	0.73	0.61	0.42	-	0.73	0.61	0.42	-
		Delta T	19	16	12	-	19	16	12	-	19	16	12	-	19	17	13	-	19	16	12	-	18	15	12	-
		HI PR	235	253	267	-	264	284	299	-	300	323	341	-	341	367	388	-	384	413	436	-	424	457	482	-
		LO PR	99	106	116	-	105	112	122	-	109	116	127	-	115	122	133	-	120	128	140	-	124	132	144	-
			* Entering Indoor Dry Bulb Temperature								NOTE: Shaded area is ACCA (TVA) conditions															
75	3600	MBh	101.6	104.7	113.3	121.6	99.3	102.2	110.6	118.8	96.9	99.8	108.0	115.9	94.6	**97.4**	105.4	113.1	89.8	92.5	100.1	107.4	83.2	85.7	92.7	99.5
		S/T	0.79	0.71	0.53	0.34	0.82	0.73	0.55	0.36	0.84	0.75	0.57	0.37	0.87	**0.77**	0.59	0.38	0.90	0.80	0.61	0.39	0.91	0.81	0.61	0.39
		Delta T	20	19	15	11	21	19	16	11	21	19	16	11	21	**19**	16	11	21	19	16	11	19	18	15	10
		HI PR	247	266	281	293	277	298	315	329	315	339	358	374	359	**386**	408	426	404	435	459	479	446	480	507	529
		LO PR	105	111	122	129	111	118	128	137	115	122	133	142	121	**128**	140	149	126	135	147	156	131	139	152	162
	3200	MBh	98.7	101.6	110.0	118.0	96.4	99.2	107.4	115.3	94.1	96.9	104.9	112.5	91.8	**94.5**	102.3	109.8	87.2	89.8	97.2	104.3	80.8	83.2	90.0	96.6
		S/T	0.75	0.67	0.51	0.33	0.78	0.70	0.53	0.34	0.80	0.72	0.54	0.35	0.83	**0.74**	0.56	0.36	0.86	0.77	0.58	0.37	0.86	0.77	0.58	0.38
		Delta T	21	20	16	11	22	20	16	11	22	20	16	11	22	**20**	16	11	21	20	16	11	20	18	15	10
		HI PR	245	263	278	290	274	295	312	325	312	336	355	370	355	**383**	404	421	400	430	454	474	442	476	502	524
		LO PR	104	110	120	128	109	116	127	135	114	121	132	141	120	**127**	139	148	125	133	145	155	130	138	150	160
	2800	MBh	91.1	93.8	101.5	108.9	89.0	91.6	99.1	106.4	86.8	89.4	96.8	103.9	84.7	**87.2**	94.4	101.3	80.5	82.9	89.7	96.3	74.6	76.8	83.1	89.2
		S/T	0.73	0.65	0.49	0.32	0.75	0.67	0.51	0.33	0.77	0.69	0.52	0.34	0.80	**0.71**	0.54	0.35	0.83	0.74	0.56	0.36	0.83	0.74	0.56	0.36
		Delta T	22	20	16	11	22	20	17	11	22	20	17	11	22	**20**	17	12	22	20	16	11	20	19	15	11
		HI PR	237	255	270	281	266	286	303	316	303	326	344	359	345	**371**	392	409	388	417	441	460	429	461	487	508
		LO PR	101	107	117	124	106	113	123	131	110	117	128	137	116	**123**	135	143	121	129	141	150	126	134	146	155

Shaded area is ACCA (TVA) conditions IDB: Entering Indoor Dry Bulb Temperature

High and low pressures are measured at the liquid and suction service access fittings.

MODEL: CPG102XXX*BXXX

EXPANDED PERFORMANCE DATA

COOLING OPERATION

Design Subcooling, 10±2 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 8±2°F @ the compressor suction access fitting connection.

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	3600	MBh	103.5	105.7	112.9	120.7	101.0	103.3	110.3	117.9	98.6	100.8	107.7	115.1	96.2	98.3	105.1	112.3	91.4	93.4	99.8	106.7	84.7	86.5	92.5	98.8
		S/T	0.87	0.81	0.66	0.49	0.90	0.84	0.68	0.51	0.92	0.86	0.70	0.52	0.95	0.89	0.72	0.54	1.00	0.92	0.75	0.56	1.00	0.93	0.76	0.57
		Delta T	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	16	23	22	19	15	22	21	18	14
		HI PR	250	269	284	296	280	301	318	332	318	343	362	377	363	390	412	430	408	439	464	484	451	485	512	534
		LO PR	106	112	123	131	112	119	130	138	116	123	135	144	122	130	142	151	128	136	148	158	132	141	153	163
	3200	MBh	100.4	102.6	109.7	117.2	98.1	100.2	107.1	114.5	95.8	97.9	104.6	111.8	93.4	95.5	**102.0**	109.0	88.8	90.7	96.9	103.6	82.2	84.0	89.8	96.0
		S/T	0.83	0.77	0.63	0.47	0.86	0.80	0.65	0.49	0.88	0.82	0.67	0.50	0.91	0.85	**0.69**	0.52	0.94	0.88	0.72	0.54	0.95	0.89	0.72	0.54
		Delta T	24	23	20	16	24	23	20	16	24	23	20	16	24	23	**20**	16	24	23	20	16	22	21	19	15
		HI PR	247	266	281	293	277	298	315	329	315	339	358	374	359	386	**408**	426	404	435	459	479	446	480	507	529
		LO PR	105	111	122	129	111	118	128	137	115	122	133	142	121	128	**140**	149	127	135	147	156	131	139	152	162
	2800	MBh	92.7	94.7	101.2	108.2	90.5	92.5	98.9	105.7	88.4	90.3	96.5	103.2	86.2	88.1	94.1	100.6	81.9	83.7	89.4	95.6	75.9	77.5	82.8	88.6
		S/T	0.80	0.75	0.61	0.45	0.82	0.77	0.63	0.47	0.85	0.79	0.65	0.48	0.87	0.82	0.67	0.50	0.91	0.85	0.69	0.52	0.91	0.86	0.70	0.52
		Delta T	24	23	20	16	25	23	20	16	25	24	20	16	25	24	21	16	24	23	20	16	23	22	19	15
		HI PR	240	258	272	284	269	289	306	319	306	329	348	362	348	375	396	413	392	422	445	464	433	466	492	513
		LO PR	102	108	118	126	107	114	125	133	111	119	129	138	117	125	136	145	123	131	143	152	127	135	147	157
NOTE: Shaded area reflects AHRI rating conditions																										
85	3600	MBh	105.3	107.3	112.4	119.9	102.8	104.8	109.8	117.1	100.4	102.3	107.1	114.3	97.9	99.8	104.5	111.5	93.0	94.8	99.3	105.9	86.2	87.8	92.0	98.1
		S/T	0.91	0.88	0.79	0.64	0.94	0.91	0.82	0.66	0.96	0.93	0.84	0.68	0.99	0.96	0.87	0.70	1.00	1.00	0.90	0.73	1.00	1.00	0.91	0.74
		Delta T	24	24	23	20	25	24	23	20	25	24	23	20	25	24	23	20	24	24	23	20	22	22	21	18
		HI PR	252	271	286	299	283	304	321	335	322	346	365	381	366	394	416	434	412	443	468	488	455	490	517	540
		LO PR	107	114	124	132	113	120	131	140	117	125	136	145	123	131	143	152	129	137	150	160	133	142	155	165
	3200	MBh	102.2	104.2	109.1	116.4	99.8	101.7	106.6	113.7	97.4	99.3	104.0	111.0	95.1	96.9	101.5	108.3	90.3	92.1	96.4	102.9	83.7	85.3	89.3	95.3
		S/T	0.87	0.83	0.75	0.61	0.90	0.86	0.78	0.63	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.98	0.95	0.86	0.70	0.99	0.96	0.86	0.70
		Delta T	25	25	24	20	26	25	24	21	26	25	24	21	26	25	24	21	26	25	24	21	24	23	22	19
		HI PR	250	269	284	296	280	301	318	332	318	343	362	377	363	390	412	430	408	439	464	484	451	485	512	534
		LO PR	106	112	123	131	112	119	130	138	116	123	135	144	122	130	142	151	128	136	148	158	132	141	153	163
	2800	MBh	94.3	96.2	100.7	107.4	92.1	93.9	98.4	104.9	89.9	91.7	96.0	102.4	87.7	89.4	93.7	99.9	83.4	85.0	89.0	94.9	77.2	78.7	82.4	87.9
		S/T	0.83	0.80	0.73	0.59	0.86	0.83	0.75	0.61	0.89	0.86	0.77	0.63	0.91	0.88	0.80	0.65	0.95	0.92	0.83	0.67	0.96	0.92	0.83	0.68
		Delta T	26	25	24	21	26	26	24	21	26	26	24	21	26	26	25	21	26	26	24	21	24	24	23	20
		HI PR	242	260	275	287	272	292	309	322	309	332	351	366	352	379	400	417	396	426	450	469	437	471	497	518
		LO PR	103	109	119	127	108	115	126	134	113	120	131	139	118	126	137	146	124	132	144	153	128	136	149	159

* NOTE: Shaded areas are TVA and AHRI Rating Condition IDB: Entering Indoor Dry Bulb Temperature

High and low pressures are measured at the liquid and suction access fittings.

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: CPG120XXXXXX**

Design Superheat 7±2 °F, Design Subcooling 12 ±2 °F pressures measured @ the suction and liquid service access fittings, ARI 95 test conditions

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	4500	MBh	115.6	119.8	131.3	-	112.9	117.1	128.3	-	110.3	114.3	125.2	-	107.6	111.5	122.1	-	102.2	105.9	116.0	-	94.7	98.1	107.5	-
		S/T	0.74	0.62	0.43	-	0.77	0.64	0.45	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.85	0.71	0.49	-	0.85	0.71	0.49	-
		Delta T	18	15	12	-	18	15	12	-	18	15	12	-	18	16	12	-	18	15	12	-	17	14	11	-
		HI PR	247	265	280	-	277	298	314	-	315	339	358	-	358	386	407	-	403	434	458	-	446	479	506	-
		LO PR	106	113	124	-	112	120	131	-	117	124	136	-	123	131	143	-	129	137	149	-	133	142	155	-
	4000	MBh	112.3	116.4	127.5	-	109.7	113.7	124.5	-	107.0	110.9	121.6	-	104.4	108.2	118.6	-	99.2	102.8	112.7	-	91.9	95.3	104.4	-
		S/T	0.71	0.59	0.41	-	0.73	0.61	0.43	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.81	0.68	0.47	-
		Delta T	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-
		HI PR	244	263	277	-	274	295	311	-	312	335	354	-	355	382	403	-	399	430	454	-	441	475	501	-
		LO PR	105	112	122	-	111	118	129	-	116	123	134	-	122	129	141	-	127	135	148	-	132	140	153	-
	3200	MBh	103.6	107.4	117.7	-	101.2	104.9	114.9	-	98.8	102.4	112.2	-	96.4	99.9	109.5	-	91.6	94.9	104.0	-	84.8	87.9	96.3	-
		S/T	0.68	0.57	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.78	0.65	0.45	-	0.78	0.66	0.45	-
		Delta T	20	18	13	-	21	18	14	-	21	18	14	-	21	18	14	-	20	18	13	-	19	17	13	-
		HI PR	237	255	269	-	266	286	302	-	302	325	343	-	344	370	391	-	387	417	440	-	428	460	486	-
		LO PR	102	109	119	-	108	115	125	-	112	119	130	-	118	125	137	-	124	131	143	-	128	136	148	-
75	4500	MBh	117.6	121.1	131.0	140.6	114.9	118.3	128.0	137.4	112.1	115.4	125.0	134.1	109.4	**112.6**	121.9	130.8	103.9	107.0	115.8	124.3	96.3	99.1	107.3	115.1
		S/T	0.84	0.76	0.57	0.37	0.88	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.93	**0.83**	0.63	0.40	0.96	0.86	0.65	0.42	0.97	0.87	0.66	0.42
		Delta T	20	19	15	11	21	19	16	11	21	19	16	11	21	**19**	16	11	20	19	15	11	19	18	14	10
		HI PR	249	268	283	295	280	301	318	331	318	342	361	377	362	**390**	411	429	407	438	463	483	450	484	511	533
		LO PR	107	114	125	133	114	121	132	140	118	126	137	146	124	**132**	144	153	130	138	151	161	134	143	156	166
	4000	MBh	114.2	117.5	127.2	136.6	111.5	114.8	124.3	133.4	108.9	112.1	121.3	130.2	106.2	**109.3**	118.4	127.0	100.9	103.9	112.4	120.7	93.5	96.2	104.2	111.8
		S/T	0.81	0.72	0.55	0.35	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.37	0.88	**0.79**	0.60	0.38	0.92	0.82	0.62	0.40	0.93	0.83	0.63	0.40
		Delta T	21	19	16	11	21	20	16	11	21	20	16	11	22	**20**	16	11	21	20	16	11	20	18	15	10
		AMPS	28.9	29.4	30.1	30.9	30.6	31.1	31.8	32.7	32.4	33.0	33.8	34.8	34.1	**34.7**	35.6	36.6	35.7	36.4	37.3	38.4	37.3	38.0	39.0	40.1
		HI PR	247	265	280	292	277	298	315	328	315	339	358	373	358	**386**	407	425	403	434	458	478	446	480	506	528
		LO PR	106	113	124	132	112	120	131	139	117	124	136	145	123	**131**	143	152	129	137	149	159	133	142	155	165
	3200	MBh	105.4	108.5	117.4	126.0	102.9	106.0	114.7	123.1	100.5	103.4	112.0	120.2	98.0	**100.9**	109.2	117.2	93.1	95.9	103.8	111.4	86.3	88.8	96.1	103.2
		S/T	0.78	0.69	0.53	0.34	0.81	0.72	0.55	0.35	0.83	0.74	0.56	0.36	0.85	**0.76**	0.58	0.37	0.88	0.79	0.60	0.39	0.89	0.80	0.60	0.39
		Delta T	24	22	18	12	24	22	18	12	24	22	18	12	24	**22**	18	13	24	22	18	12	22	20	17	12
		HI PR	239	257	272	284	268	289	305	318	305	329	347	362	348	**374**	395	412	391	421	445	464	432	465	491	512
		LO PR	103	110	120	128	109	116	127	135	113	121	132	140	119	**127**	138	147	125	133	145	154	129	137	150	160

Shaded area is ACCA (TVA) conditions IDB: Entering Indoor Dry Bulb Temperature

High and low pressures are measured at the liquid and suction service access fittings.

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: CPG120XXXXXX**

Design Superheat 7±2 °F, Design Subcooling 12 ±2 °F pressures measured @ the suction and liquid service access fittings, ARI 95 test conditions

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	4500	MBh	119.7	122.3	130.7	139.7	116.9	119.4	127.6	136.4	114.1	116.6	124.6	133.2	111.3	113.8	121.5	129.9	105.8	108.1	115.5	123.4	98.0	100.1	107.0	114.3
		S/T	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.92	0.75	0.56	1.00	0.95	0.78	0.58	1.00	1.00	0.81	0.60	1.00	1.00	0.81	0.61
		Delta T	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	22	22	19	15	20	20	18	14
		HI PR	252	271	286	298	282	304	321	335	321	346	365	381	366	394	416	433	411	443	468	488	455	489	517	539
		LO PR	109	116	126	134	115	122	133	142	119	127	138	147	125	133	145	155	131	140	152	162	136	144	158	168
	4000	MBh	116.2	118.7	126.9	135.6	113.5	116.0	123.9	132.4	110.8	113.2	121.0	129.3	108.1	110.4	**118.0**	126.1	102.7	104.9	112.1	119.8	95.1	97.2	103.8	111.0
		S/T	0.88	0.83	0.67	0.50	0.92	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.97	0.91	**0.74**	0.55	1.00	0.94	0.77	0.57	1.00	0.95	0.77	0.58
		Delta T	24	23	20	16	24	23	20	16	24	23	20	16	24	23	**20**	16	24	23	20	16	22	21	18	15
		HI PR	249	268	283	295	280	301	318	331	318	342	361	377	362	390	**412**	429	407	438	463	483	450	484	511	533
		LO PR	107	114	125	133	114	121	132	140	118	126	137	146	124	132	**144**	153	130	138	151	161	134	143	156	166
	3200	MBh	107.2	109.6	117.1	125.2	104.8	107.0	114.4	122.3	102.3	104.5	111.6	119.3	99.8	101.9	108.9	116.4	94.8	96.8	103.5	110.6	87.8	89.7	95.8	102.5
		S/T	0.85	0.80	0.65	0.49	0.88	0.83	0.67	0.50	0.91	0.85	0.69	0.52	0.93	0.88	0.71	0.53	0.97	0.91	0.74	0.55	0.98	0.92	0.75	0.56
		Delta T	26	25	22	17	27	25	22	18	27	25	22	18	27	26	22	18	26	25	22	18	25	24	21	16
		HI PR	242	260	275	286	271	292	308	321	308	332	350	366	351	378	399	416	395	425	449	468	437	470	496	517
		LO PR	104	111	121	129	110	117	128	136	114	122	133	142	120	128	140	149	126	134	146	156	130	139	151	161
85	4500	MBh	121.8	124.1	130.0	138.7	118.9	121.2	127.0	135.5	116.1	118.4	124.0	132.2	113.3	115.5	120.9	129.0	107.6	109.7	114.9	122.6	99.7	101.6	106.4	113.5
		S/T	0.97	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.97	0.79
		Delta T	24	24	22	19	24	24	23	20	24	24	23	20	23	24	23	20	22	22	23	20	20	21	21	18
		HI PR	254	273	289	301	285	307	324	338	324	349	369	384	369	398	420	438	416	447	472	493	459	494	522	544
		LO PR	110	117	127	136	116	123	135	143	120	128	140	149	126	135	147	156	133	141	154	164	137	146	159	170
	4000	MBh	118.2	120.5	126.2	134.7	115.5	117.7	123.3	131.5	112.7	114.9	120.3	128.4	110.0	112.1	117.4	125.3	104.5	106.5	111.5	119.0	96.8	98.7	103.3	110.2
		S/T	0.93	0.89	0.81	0.65	0.96	0.93	0.84	0.68	0.98	0.95	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.93	0.75
		Delta T	25	25	23	20	25	25	24	21	26	25	24	21	25	25	24	21	24	24	24	20	22	23	22	19
		HI PR	252	271	286	298	282	304	321	335	321	346	365	381	366	394	416	433	411	443	468	488	455	489	517	539
		LO PR	109	116	126	134	115	122	133	142	119	127	138	147	125	133	145	155	131	140	152	162	136	144	158	168
	3200	MBh	109.1	111.2	116.5	124.3	106.6	108.6	113.8	121.4	104.0	106.1	111.1	118.5	101.5	103.5	108.4	115.6	96.4	98.3	103.0	109.8	89.3	91.1	95.4	101.7
		S/T	0.89	0.86	0.78	0.63	0.93	0.89	0.81	0.65	0.95	0.92	0.83	0.67	0.98	0.95	0.85	0.69	1.00	0.98	0.89	0.72	1.00	0.99	0.89	0.72
		Delta T	28	28	26	23	28	28	26	23	28	28	26	23	29	28	27	23	28	28	26	23	26	26	24	21
		HI PR	244	263	277	289	274	295	311	325	311	335	354	369	355	382	403	420	399	430	454	473	441	475	501	523
		LO PR	105	112	122	130	111	118	129	138	116	123	134	143	121	129	141	150	127	135	148	157	132	140	153	163

* Entering Indoor Dry Bulb Temperature NOTE: Shaded area is ARI Rating Conditions

High and low pressures are measured at the liquid and suction service ports.

MODEL: CPG150XXXXXX**

EXPANDED PERFORMANCE DATA

COOLING OPERATION

Design Superheat 7±2 °F, Design Subcooling 12 ±2 °F pressures measured @ the suction and liquid service access fittings, AHRI 95 test conditions

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	4725	MBh	143.1	148.3	162.5	-	139.7	144.8	158.7	-	136.4	141.4	154.9	-	133.1	137.9	151.1	-	126.4	131.0	143.6	-	117.1	121.4	133.0	-
		S/T	0.70	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.62	0.43	-	0.77	0.64	0.45	-	0.80	0.67	0.46	-	0.81	0.67	0.47	-
		Delta T	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-
		HI PR	247	266	281	-	277	298	315	-	315	339	358	-	359	386	408	-	404	434	459	-	446	480	507	-
		LO PR	100	107	117	-	106	113	123	-	110	117	128	-	116	123	135	-	121	129	141	-	126	134	146	-
	4200	MBh	138.9	144.0	157.7	-	135.7	140.6	154.1	-	132.4	137.3	150.4	-	129.2	133.9	146.7	-	122.7	127.2	139.4	-	113.7	117.9	129.1	-
		S/T	0.67	0.56	0.39	-	0.69	0.58	0.40	-	0.71	0.60	0.41	-	0.74	0.61	0.43	-	0.76	0.64	0.44	-	0.77	0.64	0.45	-
		Delta T	20	18	13	-	21	18	14	-	21	18	14	-	21	18	14	-	21	18	13	-	19	17	13	-
		HI PR	244	263	278	-	274	295	312	-	312	336	355	-	355	382	404	-	400	430	454	-	442	475	502	-
		LO PR	99	106	116	-	105	112	122	-	109	116	127	-	115	122	133	-	120	128	140	-	124	132	144	-
	3360	MBh	128.2	132.9	145.6	-	125.2	129.8	142.2	-	122.2	126.7	138.8	-	119.3	123.6	135.4	-	113.3	117.4	128.7	-	104.9	108.8	119.2	-
		S/T	0.65	0.54	0.37	-	0.67	0.56	0.39	-	0.69	0.57	0.40	-	0.71	0.59	0.41	-	0.74	0.61	0.43	-	0.74	0.62	0.43	-
		Delta T	23	20	15	-	23	20	15	-	23	20	15	-	23	20	15	-	23	20	15	-	21	18	14	-
		HI PR	237	255	269	-	266	286	302	-	303	326	344	-	345	371	392	-	388	417	441	-	428	461	487	-
		LO PR	97	103	112	-	102	108	118	-	106	113	123	-	111	118	129	-	117	124	135	-	121	128	140	-
75	4725	MBh	145.5	149.8	162.1	174.0	142.1	146.3	158.4	170.0	138.7	142.8	154.6	165.9	135.3	**139.3**	150.8	161.9	128.6	132.4	143.3	153.8	119.1	122.6	132.7	142.5
		S/T	0.80	0.71	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.57	0.37	0.88	**0.78**	0.59	0.38	0.91	0.81	0.62	0.40	0.92	0.82	0.62	0.40
		Delta T	23	21	17	12	23	21	17	12	23	21	17	12	23	**21**	17	12	23	21	17	12	21	20	16	11
		HI PR	249	268	283	296	280	301	318	332	318	343	362	377	363	**390**	412	430	408	439	463	483	451	485	512	534
		LO PR	102	108	118	126	107	114	125	133	111	119	129	138	117	**125**	136	145	123	131	143	152	127	135	147	157
	4200	MBh	141.3	145.4	157.4	169.0	138.0	142.1	153.8	165.0	134.7	138.7	150.1	161.1	131.4	**135.3**	146.4	157.2	124.8	128.5	139.1	149.3	115.6	119.1	128.9	138.3
		S/T	0.76	0.68	0.52	0.33	0.79	0.71	0.53	0.34	0.81	0.72	0.55	0.35	0.84	**0.75**	0.57	0.36	0.87	0.78	0.59	0.38	0.88	0.78	0.59	0.38
		Delta T	24	22	18	12	24	22	18	12	24	22	18	12	24	**22**	18	13	24	22	18	12	22	20	17	12
		HI PR	247	266	281	293	277	298	315	328	315	339	358	374	359	**386**	408	425	404	435	459	479	446	480	507	529
		LO PR	101	107	117	124	106	113	123	131	110	117	128	137	116	**123**	135	143	121	129	141	150	126	134	146	155
	3360	MBh	130.4	134.2	145.3	155.9	127.3	131.1	141.9	152.3	124.3	128.0	138.5	148.7	121.3	**124.9**	135.2	145.1	115.2	118.6	128.4	137.8	106.7	109.9	118.9	127.7
		S/T	0.73	0.66	0.50	0.32	0.76	0.68	0.52	0.33	0.78	0.70	0.53	0.34	0.81	**0.72**	0.55	0.35	0.84	0.75	0.57	0.36	0.84	0.75	0.57	0.37
		Delta T	26	24	20	14	27	24	20	14	27	24	20	14	27	**25**	20	14	26	24	20	14	25	23	19	13
		HI PR	240	258	272	284	269	289	305	319	306	329	347	362	348	**375**	396	413	392	422	445	464	433	466	492	513
		LO PR	97	104	113	121	103	110	120	127	107	114	124	132	112	**120**	131	139	118	125	137	146	122	130	142	151

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

Shaded area is ACCA (TVA) conditions

IDB: Entering Indoor Dry Bulb Temperature

High and low pressures are measured at the liquid and suction service access fittings.

MODEL: CPG150XXXXXX**

EXPANDED PERFORMANCE DATA

COOLING OPERATION

Design Superheat 7±2 °F, Design Subcooling 12±2 °F pressures measured @ the suction and liquid service access fittings, AHRI 95 test conditions

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	4725	MBh	148.1	151.3	161.7	172.8	144.6	147.8	157.9	168.8	141.2	144.3	154.1	164.8	137.7	140.8	150.4	160.8	130.9	133.7	142.9	152.7	121.2	123.9	132.3	141.5
		S/T	0.88	0.82	0.67	0.50	0.91	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.94	0.76	0.57	1.00	0.94	0.77	0.57
		Delta T	25	24	21	17	26	25	21	17	26	25	21	17	26	25	21	17	25	24	21	17	24	23	20	16
		HI PR	252	271	286	299	283	304	321	335	322	346	365	381	366	394	416	434	412	443	468	488	455	490	517	539
		LO PR	103	109	119	127	108	115	126	134	113	120	131	139	118	126	137	146	124	132	144	153	128	136	149	159
	4200	MBh	143.8	146.9	157.0	167.8	140.4	143.5	153.3	163.9	137.1	140.1	149.7	160.0	133.7	136.7	**146.0**	156.1	127.0	129.8	138.7	148.3	117.7	120.3	128.5	137.3
		S/T	0.84	0.78	0.64	0.48	0.87	0.81	0.66	0.49	0.89	0.83	0.68	0.51	0.92	0.86	**0.70**	0.52	0.95	0.89	0.73	0.54	0.96	0.90	0.73	0.55
		Delta T	26	25	22	18	27	26	22	18	27	26	22	18	27	26	**22**	18	26	25	22	18	25	24	21	16
		HI PR	249	268	283	296	280	301	318	332	318	343	362	377	363	390	**412**	430	408	439	464	483	451	485	512	534
		LO PR	102	108	118	126	107	114	125	133	111	119	129	138	117	125	**136**	145	123	131	143	152	127	135	147	157
	3360	MBh	132.7	135.6	144.9	154.9	129.6	132.4	141.5	151.3	126.5	129.3	138.1	147.7	123.4	126.1	134.8	144.1	117.3	119.8	128.0	136.9	108.6	111.0	118.6	126.8
		S/T	0.81	0.76	0.62	0.46	0.84	0.78	0.64	0.48	0.86	0.80	0.65	0.49	0.88	0.83	0.67	0.50	0.92	0.86	0.70	0.52	0.93	0.87	0.71	0.53
		Delta T	29	28	24	19	30	28	25	20	30	28	25	20	30	29	25	20	29	28	25	20	28	26	23	18
		HI PR	242	260	275	287	271	292	309	322	309	332	351	366	352	378	400	417	396	426	450	469	437	470	497	518
		LO PR	98	105	114	122	104	111	121	129	108	115	126	134	114	121	132	140	119	127	138	147	123	131	143	152
85	4725	MBh	150.7	153.6	160.9	171.6	147.2	150.0	157.1	167.6	143.7	146.4	153.4	163.6	140.2	142.9	149.6	159.6	133.1	135.7	142.1	151.6	123.3	125.7	131.7	140.5
		S/T	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.98	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.92	0.75
		Delta T	27	26	25	22	27	27	25	22	27	27	25	22	27	27	26	22	26	26	25	22	24	24	24	20
		HI PR	254	274	289	302	286	307	324	338	325	349	369	385	370	398	420	438	416	448	473	493	460	495	522	545
		LO PR	104	110	120	128	109	116	127	135	114	121	132	141	119	127	139	148	125	133	145	155	129	138	150	160
	4200	MBh	146.3	149.1	156.2	166.6	142.9	145.6	152.5	162.7	139.5	142.2	148.9	158.9	136.1	138.7	145.3	155.0	129.3	131.8	138.0	147.2	119.7	122.1	127.8	136.4
		S/T	0.88	0.85	0.76	0.62	0.91	0.88	0.79	0.64	0.93	0.90	0.81	0.66	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.70	1.00	0.97	0.88	0.71
		Delta T	28	28	26	23	28	28	26	23	28	28	26	23	29	28	27	23	28	28	26	23	26	26	25	21
		HI PR	252	271	286	299	283	304	321	335	322	346	365	381	366	394	416	434	412	443	468	488	455	490	517	539
		LO PR	103	109	119	127	108	115	126	134	113	120	131	139	118	126	137	146	124	132	144	153	128	136	149	159
	3360	MBh	135.0	137.6	144.1	153.8	131.9	134.4	140.8	150.2	128.7	131.2	137.4	146.6	125.6	128.0	134.1	143.0	119.3	121.6	127.4	135.9	110.5	112.7	118.0	125.9
		S/T	0.85	0.82	0.74	0.60	0.88	0.85	0.76	0.62	0.90	0.87	0.78	0.63	0.93	0.89	0.81	0.65	0.96	0.93	0.84	0.68	0.97	0.94	0.84	0.69
		Delta T	31	31	29	25	32	31	29	25	32	31	29	25	32	31	30	26	31	31	29	25	29	29	27	24
		HI PR	244	263	278	290	274	295	312	325	312	336	354	370	355	382	404	421	400	430	454	474	442	475	502	523
		LO PR	99	106	116	123	105	112	122	130	109	116	127	135	115	122	133	142	120	128	140	149	124	132	144	154

* NOTE: Shaded areas are TVA and AHRI Rating Condition IDB: Entering Indoor Dry Bulb Temperature

High and low pressures are measured at the liquid and suction access fittings.

COOLING PERFORMANCE DATA

PERFORMANCE TEST

All data based upon listed indoor dry bulb temperature. .00 inches external static pressure on coil of outdoor section. Indoor air cubic feet per minute (CFM) as listed in the Performance Data Sheets:

If conditions vary from this, results will change as follows:

1. As indoor dry bulb temperatures increase, a slight increase will occur in indoor air temperature drop (**Delta T**). Low and high side pressures and power will not change.
2. As indoor CFM decreases, a slight increase will occur in indoor temperature drop (**Delta T**). A slight decrease will occur in low and high side pressures and power.

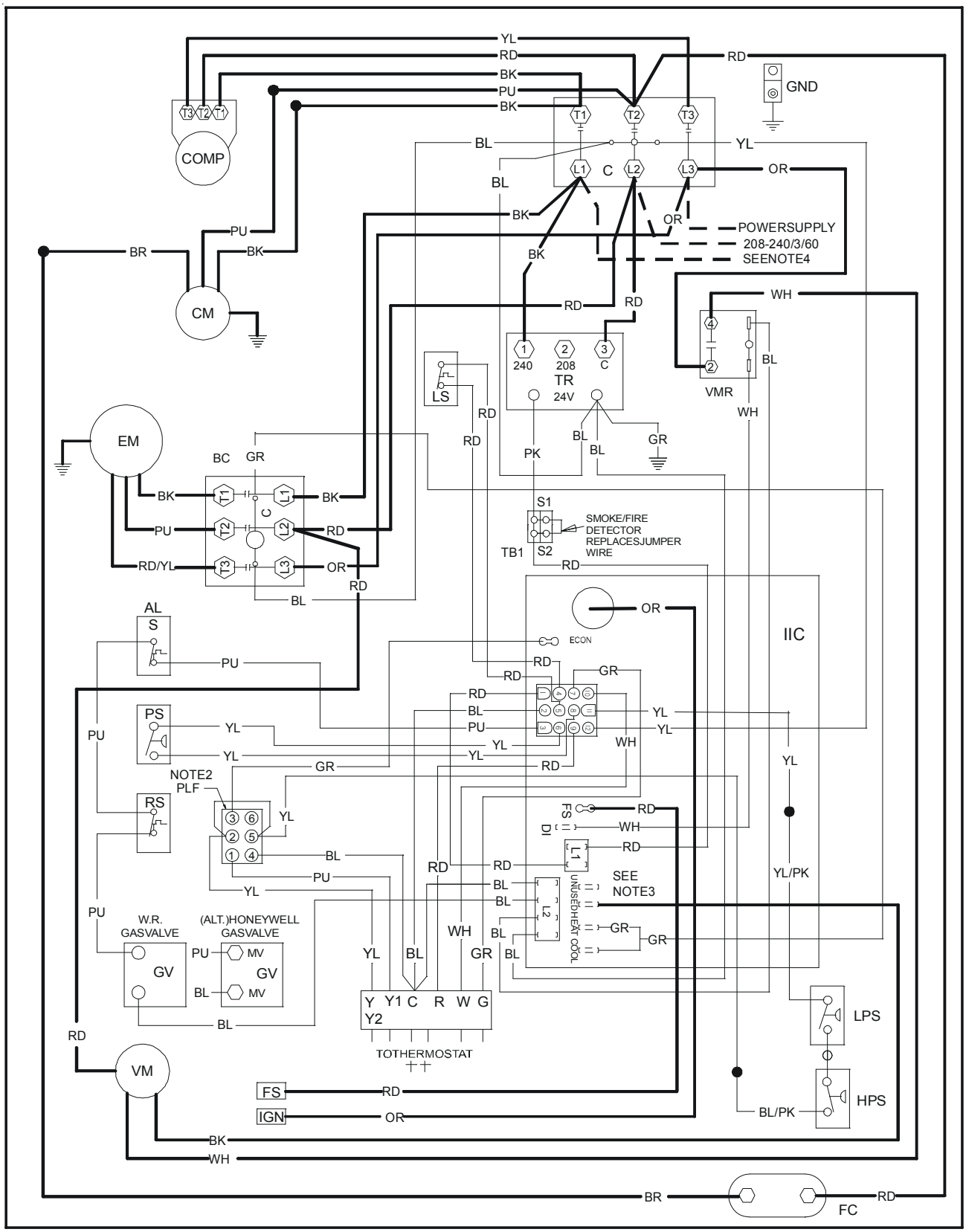
A properly operating unit should be within plus or minus **3 degrees** of the typical (**Delta T**) value shown.

A properly operating unit should be within plus or minus **7 PSIG** of the **HI PR** shown.

A properly operating unit should be within plus or minus **3 PSIG** of the **LO PR** shown.

WARNING

HIGH VOLTAGE!
DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS UNIT. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.



208-240/3/60 0140L00065 REV.D

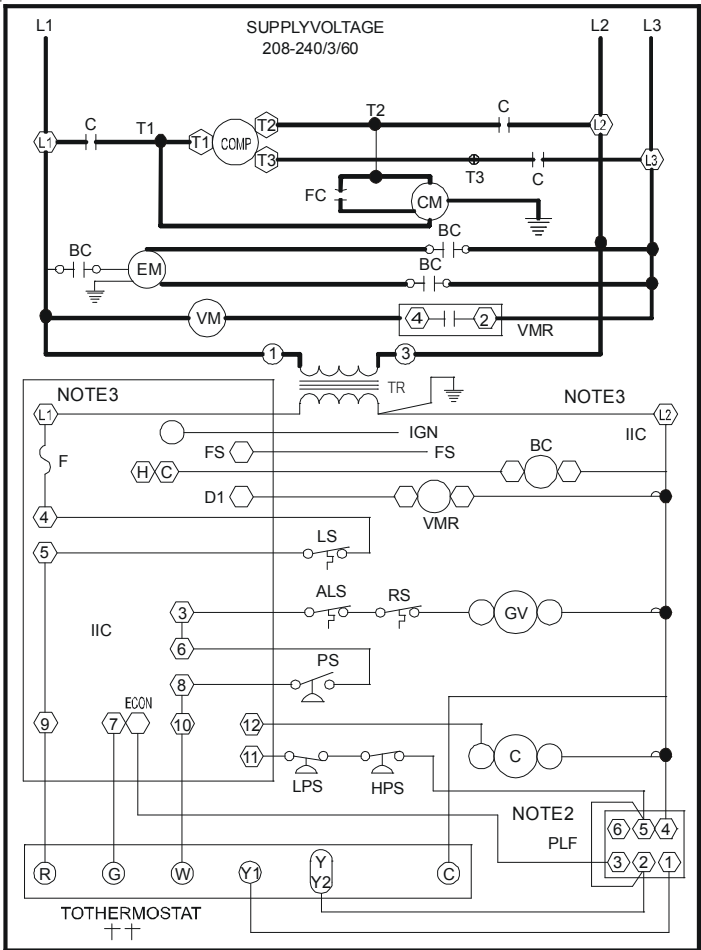
Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.

WIRING DIAGRAMS

CPG[036-060]XXX3BXXX

WARNING

HIGH VOLTAGE!
DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS UNIT. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.



COMPONENTLEGEND

ALS	AUXILLARYLIMITSWITCH
BC	BLOWERCONTACTOR
COMP	COMPRESSOR
CM	CONDENSERMOTOR
C	CONTACTOR
EM	EVAPORATORMOTOR
F	FUSE
FC	FANCAPACITOR
FS	FLAMESENSOR
GND	EQUIPMENTGROUND
GV	GASVALVE
HPS	HIGHPRESSURESWITCH
IBR	INDOORBLOWERRELAY
IIC	INTEGRATEDIGNITIONCONTROL
IGN	IGNITOR
LPS	LOWPRESSURESWITCH
LS	LIMITSWITCH
PLF	FEMALEPLUG/CONNECTOR
PS	PRESSURESWITCH
RS	ROLLOUTSWITCH
TB1	TERMINALBLOCK(24VSIGNAL)
TR	TRANSFORMER
VM	VENTMOTOR
VMR	VENTMOTORRELAY

FACTORYWIRING
- LINEVOLTAGE
- LOWVOLTAGE
- OPTIONAL HIGHVOLTAGE

FIELDWIRING
- HIGHVOLTAGE
- LOWVOLTAGE

WIRECODE

BK	BLACK
BL	BLUE
BR	BROWN
GR	GREEN
OR	ORANGE
PK	PINK
PU	PURPLE
RD	RED
WH	WHITE
YL	YELLOW
BL/PK	BLUEWITHPINKSTRIP
YL/PK	YELLOWWITHPINKSTRIP

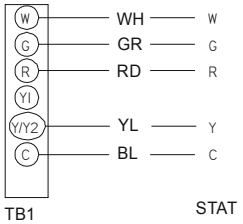
NOTES

1. REPLACEMENTWIREMUSTBETHESAME SIZEANDTYPEOF INSULATIONASORIGINAL. (USECOPPERCONDUCTORONLY).
2. ACCESSORYECONOMIZERPLUGADJACENT TOBLOWERHOUSINGINRETURNAIR COMPARTMENT.REMOVEMALEPLUGAND ATTACHFEMALEPLUGTOTHEECONOMIZER ACCESSORY.
3. L1ANDL2ONIICCONTROLIS24VINPUT.
4. USECOPPERCONDUCTORSONLY.

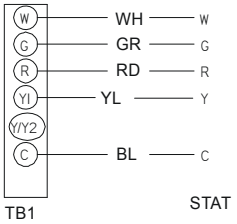
++ USE NECCLASS2WIRE.

THERMOSTAT FIELDWIRING ++

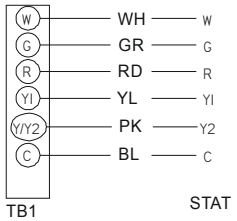
NOECONOMIZER



WITHECONOMIZEROPTION



2STAGECOOLING



INSTALLER/SERVICEMAN

THESTATUSLIGHTONTHEFURNACECONTROLMAYBEUSEDASAGUIDETO TROUBLESHOOTINGTHISAPPLIANCE. STATUSLIGHTCODESAREASFOLLOWS:

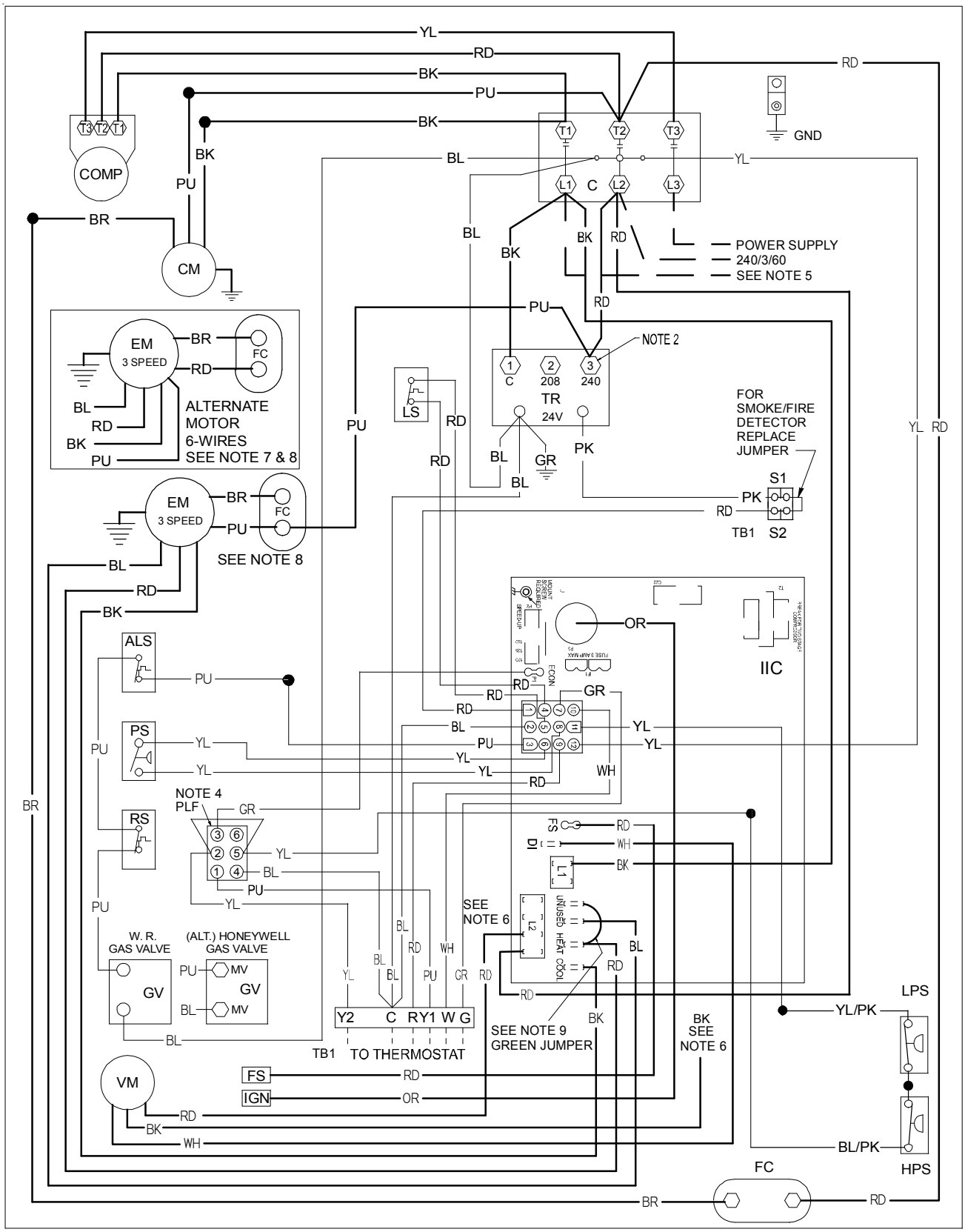
STATUSLIGHT	EQUIP.STATUS	CHECK
ON	NORMALOPERATION	-
OFF	NOPOWEROR INTERNALCONTROL	CHECKINPUTPOWER CHECKFUSEONCONTROL REPLACECONTROL
1BLINK	IGNITIONFAILURE OPENROLLOUT SWITCH OPENAUX.LIMIT SWITCH	GASFLOW GASPRESSURE GASVALVE FLAMESENSOR FLAMEROLLOUT BADSWITCH AUX.LIMITOPEN
2BLINKS	PRESSURESWITCH OPEN	CHECK PRESSURESWITCH
3BLINKS	PRESSURESWITCHCLOSED WITHOUTINDUCERON	CHECK PRESSURESWITCH
4BLINKS	OPENLIMITSWITCH	MAINLIMITOPEN BADSWITCH
5BLINKS	FALSEFLAMESENSED	STICKINGGASVALVE
6BLINKS	COMPRESSOR OUTPUTDELAY	3MIN.COMP. ANTI-CYCLETIMER

208-240/3/60 0140L00065 REV.D

Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.

WARNING

HIGH VOLTAGE!
DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS UNIT. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.



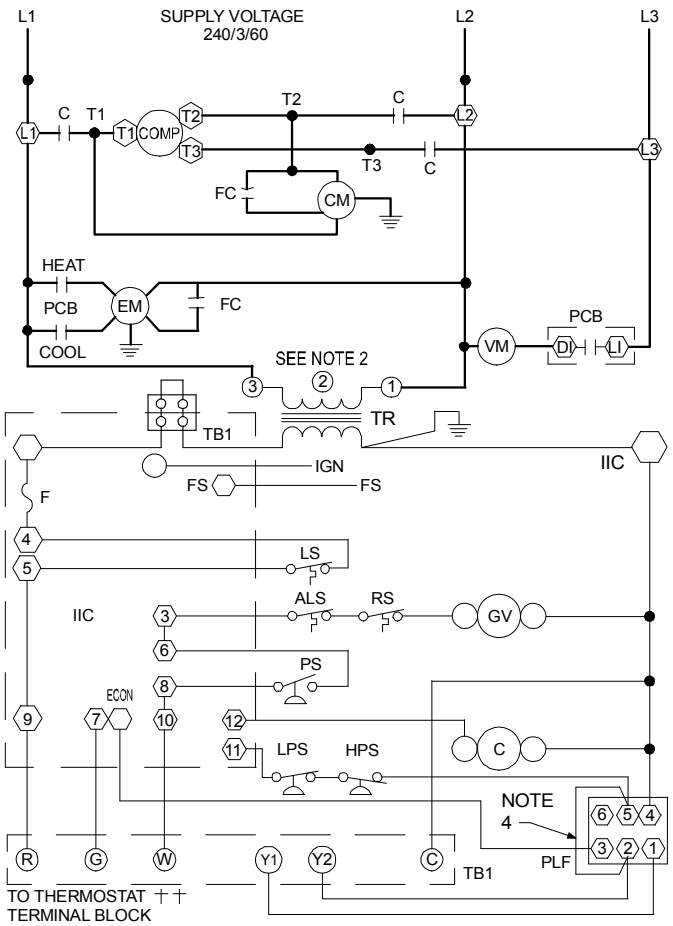
230/3/60 0140L00130 REV C

Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.

WIRING DIAGRAMS CPG[036-048]XXX3DXXX

WARNING

HIGH VOLTAGE!
DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS UNIT. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.



INSTALLER/SERVICEMAN

THE STATUS LIGHT ON THE FURNACE CONTROL MAY BE USED AS A GUIDE TO TROUBLESHOOTING THIS APPLIANCE. STATUS LIGHT CODES ARE AS FOLLOWS:

STATUS LIGHT	EQUIP. STATUS	CHECK
ON	NORMAL OPERATION	-
OFF	NO POWER OR INTERNAL CONTROL FAULT	CHECK INPUT POWER CHECK FUSE ON CONTROL REPLACE CONTROL
1 BLINK	IGNITION FAILURE OR OPEN ROLLOUT SWITCH OR OPEN AUX. LIMIT SWITCH	GAS FLOW GAS PRESSURE GAS VALVE FLAME SENSOR FLAME ROLLOUT BAD SWITCH AUX. LIMIT OPEN
2 BLINKS	PRESSURE SWITCH OPEN	CHECK PRESSURE SWITCH
3 BLINKS	PRESSURE SWITCH CLOSED WITHOUT INDUCER ON	CHECK PRESSURE SWITCH
4 BLINKS	OPEN LIMIT SWITCH	MAIN LIMIT OPEN BAD SWITCH
5 BLINKS	FALSE FLAME SENSED	STICKING GAS VALVE
6 BLINKS	COMPRESSOR OUTPUT DELAY	3 MIN. COMP. ANTI-CYCLE TIMER

COMPONENT LEGEND

ALS	AUXILLARY LIMIT SWITCH
COMP	COMPRESSOR
CM	CONDENSER MOTOR
C	CONTACTOR
EM	EVAPORATOR MOTOR
F	FUSE
FC	FAN CAPACITOR
FS	FLAME SENSOR
GND	EQUIPMENT GROUND
GV	GAS VALVE
HPS	HIGH PRESSURE SWITCH
IIC	INTEGRATED IGNITION CONTROL
IGN	IGNITOR
LS	LIMIT SWITCH
LPS	LOW PRESSURE SWITCH
PLF	FEMALE PLUG/CONNECTOR
PS	PRESSURE SWITCH
RS	ROLLOUT SWITCH
TB1	TERMINAL BLOCK (24V SIGNAL)
TR	TRANSFORMER
VM	VENT MOTOR
VMR	VENT MOTOR RELAY

NOTES

1. REPLACEMENT WIRE MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL. (USE COPPER CONDUCTOR ONLY).
2. FOR 208 VOLT TRANSFORMER OPERATION MOVEPURPLE AND RED WIRE FROM TERMINAL 3 TO TERMINAL 2 ON TRANSFORMER, ALSO CHANGE RED WIRE TO BLACK WIRE FROM VENT MOTOR.
3. FOR DIFFERENT THAN FACTORY SPEED TAP. CHANGE COOLING SPEED AT COOL TERMINAL. CHANGE HEATING SPEED AT HEAT TERMINAL ON CONTROL BOARD
   3 SPEED MOTOR
   RD - LOW SPEED
   BL - MED. SPEED
   BK - HIGH SPEED
4. ACCESSORY ECONOMIZER PLUG ADJACENT TO BLOWER HOUSING IN RETURN AIR COMPARTMENT. REMOVE MALE PLUG AND ATTACH FEMALE PLUG TO ECONOMIZER ACCESSORY.
5. USE COPPER CONDUCTORS ONLY.
   ++ USE NEC CLASS 2 WIRE.
6. 208V CONNECTION FOR VENT MOTOR. RD IS 230V. TO CHANGE REMOVE INSULATOR AND CONNECT TO L2 TERMINAL ON PCB. PUT INSULATOR ON UNUSED LEAD.
7. PURPLE WIRE CONNECTS TO TRANSFORMER (PIN 3).
8. SPEED TAP TERMINATIONS SHOWN ON DIAGRAM ARE REPRESENTATIVE, BUT ACTUAL FACTORY SETTING MAY BE DIFFERENT BASED ON HEATING VALUE OF UNIT.
9. TO RUN SAME SPEED FOR HEATING AND COOLING PLACE GREEN JUMPER BETWEEN HEAT AND COOL ON PCB.

230/3/60 0140L00130 REV C

FACTORY WIRING
- LINE VOLTAGE
- LOW VOLTAGE
- OPTIONAL HIGH VOLTAGE

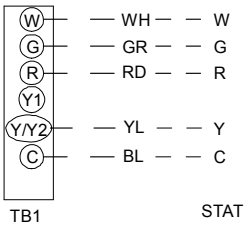
FIELD WIRING
- HIGH VOLTAGE
- LOW VOLTAGE

WIRE CODE

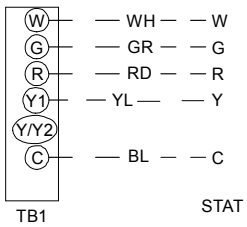
BK	BLACK
BL	BLUE
BR	BROWN
GR	GREEN
OR	ORANGE
PK	PINK
PU	PURPLE
RD	RED
WH	WHITE
YL	YELLOW
BL/PK	BLUE WITH PINK STRIP
YL/PK	YELLOW WITH PINK STRIP

THERMOSTAT FIELD WIRING ++

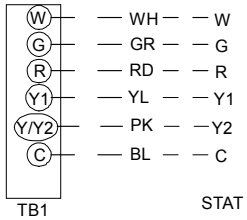
NO ECONOMIZER



WITH ECONOMIZER OPTION



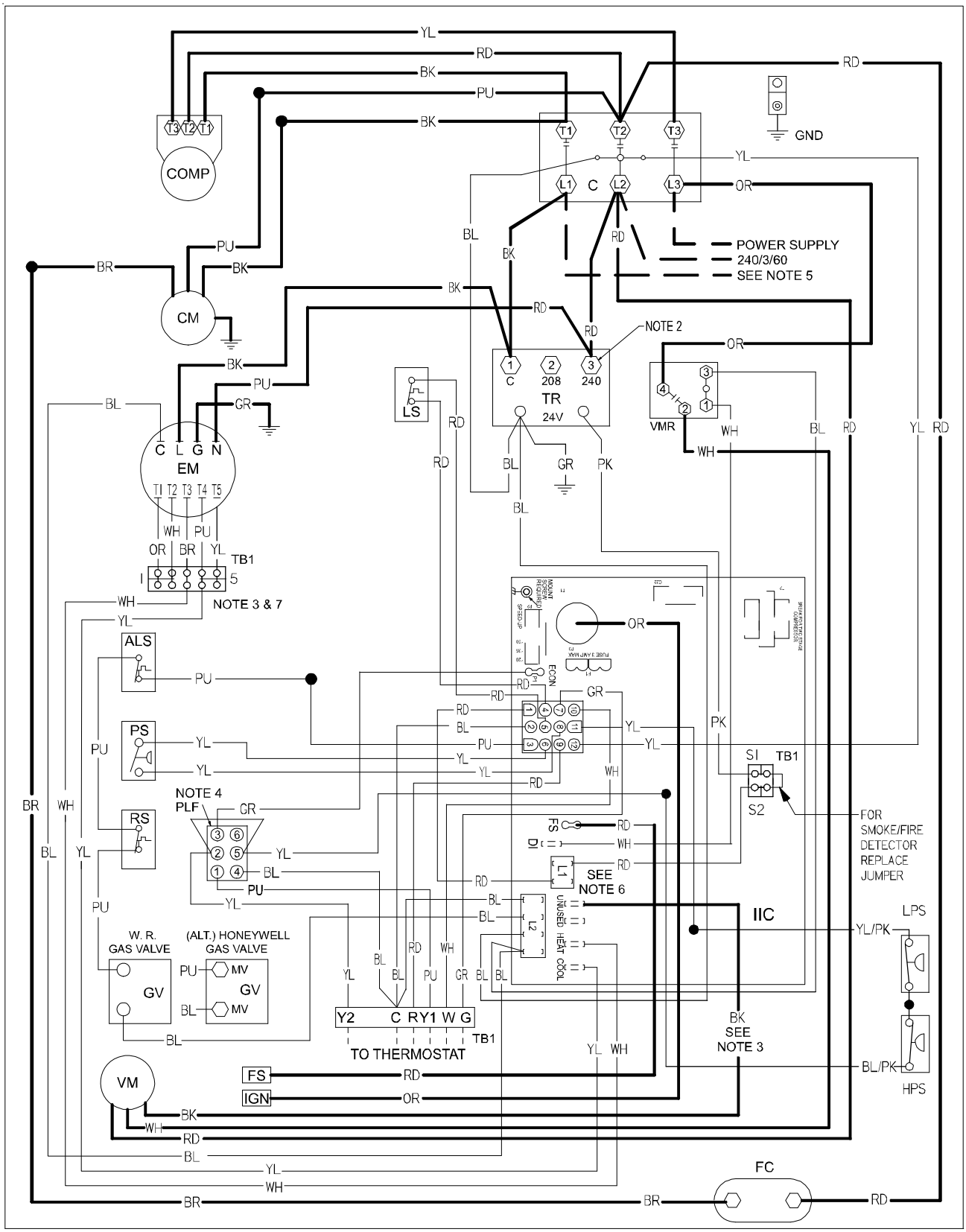
2 STAGE COOLING



Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.

WARNING

HIGH VOLTAGE!
DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS UNIT. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.



230/3/60 0140L00013 REV E

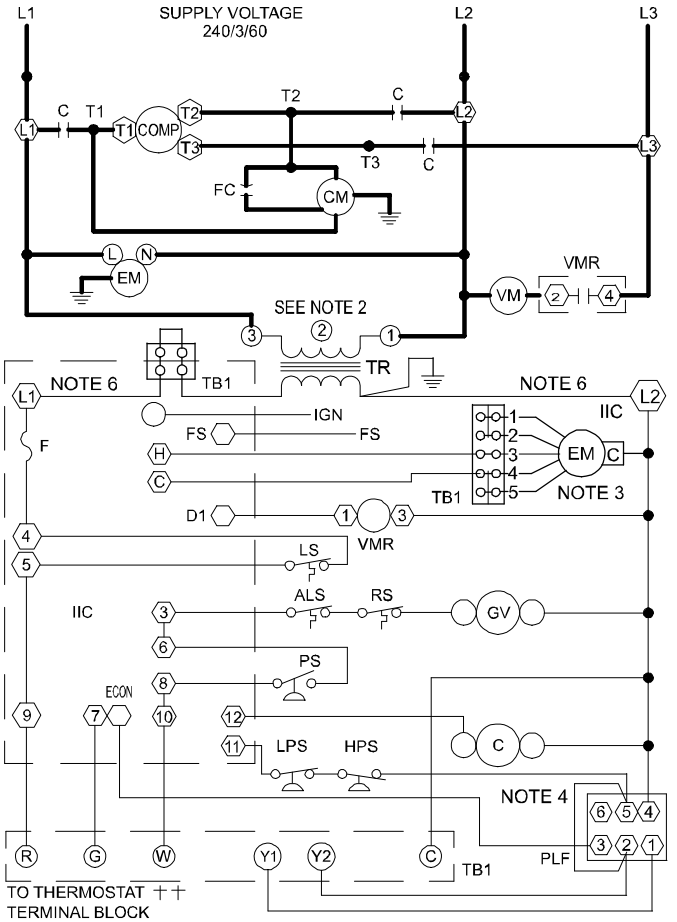
Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.

WIRING DIAGRAMS

CPG060XXX3DXXX

WARNING

HIGH VOLTAGE!
DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS UNIT. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.



INSTALLER/SERVICEMAN

THE STATUS LIGHT ON THE FURNACE CONTROL MAY BE USED AS A GUIDE TO TROUBLESHOOTING THIS APPLIANCE. STATUS LIGHT CODES ARE AS FOLLOWS:

STATUS LIGHT	EQUIP. STATUS	CHECK
ON	NORMAL OPERATION	-
OFF	NO POWER OR INTERNAL CONTROL FAULT	CHECK INPUT POWER CHECK FUSE ON CONTROL REPLACE CONTROL
1 BLINK	IGNITION FAILURE OR OPEN ROLLOUT SWITCH OR OPEN AUX. LIMIT SWITCH	GAS FLOW GAS PRESSURE GAS VALVE FLAME SENSOR FLAME ROLLOUT BAD SWITCH AUX. LIMIT OPEN
2 BLINKS	PRESSURE SWITCH OPEN	CHECK PRESSURE SWITCH
3 BLINKS	PRESSURE SWITCH CLOSED WITHOUT INDUCER ON	CHECK PRESSURE SWITCH
4 BLINKS	OPEN LIMIT SWITCH	MAIN LIMIT OPEN BAD SWITCH
5 BLINKS	FALSE FLAME SENSED	STICKING GAS VALVE
6 BLINKS	COMPRESSOR OUTPUT DELAY	3 MIN. COMP. ANTI-CYCLE TIMER

COMPONENT LEGEND

ALS	AUXILLARY LIMIT SWITCH
COMP	COMPRESSOR
CM	CONDENSER MOTOR
C	CONTACTOR
EM	EVAPORATOR MOTOR
F	FUSE
FC	FAN CAPACITOR
FS	FLAME SENSOR
GND	EQUIPMENT GROUND
GV	GAS VALVE
HPS	HIGH PRESSURE SWITCH
IIC	INTEGRATED IGNITION CONTROL
IGN	IGNITOR
LS	LIMIT SWITCH
LPS	LOW PRESSURE SWITCH
PLF	FEMALE PLUG/CONNECTOR
PS	PRESSURE SWITCH
RS	ROLLOUT SWITCH
TB1	TERMINAL BLOCK (24V SIGNAL)
TR	TRANSFORMER
VM	VENT MOTOR
VMR	VENT MOTOR RELAY

NOTES

1. REPLACEMENT WIRE MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL. (USE COPPER CONDUCTOR ONLY).
2. FOR 208 VOLT TRANSFORMER OPERATION MOVE BLACK WIRE FROM TERMINAL (3) TO TERMINAL (2) ON TRANSFORMER, ALSO CHANGE RED WIRE TO BLACK WIRE FROM VENT MOTOR.
3. FOR DIFFERENT THAN FACTORY SPEED TAP. CHANGE COOLING SPEED AT MOTOR T3 AND T4 TERMINALS. CHANGE HEATING SPEED AT MOTOR T1. T2, AND T5 TERMINALS

   COOLING SPEED (YELLOW WIRE)
   T3 - LOW SPEED
   T4 - HIGH SPEED

   HEATING SPEED (WHITE WIRE)
   T1 - LOW SPEED (070)
   T2 - MED. SPEED
   T5 - HIGH SPEED (140)
4. ACCESSORY ECONOMIZER PLUG ADJACENT TO BLOWER HOUSING IN RETURN AIR COMPARTMENT. REMOVE MALE PLUG AND ATTACH FEMALE PLUG TO ECONOMIZER ACCESSORY.
5. USE COPPER CONDUCTORS ONLY.
   ++ USE NEC CLASS 2 WIRE.
6. L1 AND L2 ON ICC CONTROL IS 24V INPUT.
7. SPEED TAP TERMINATIONS SHOWN ON DIAGRAM ARE REPRESENTATIVE, BUT ACTUAL FACTORY SETTINGS MAY BE DIFFERENT BASED ON THE HEATING VALUE OF THE UNIT.

230/3/60 0140L00013 REV E

FACTORY WIRING
- LINE VOLTAGE
- LOW VOLTAGE
- OPTIONAL HIGH VOLTAGE

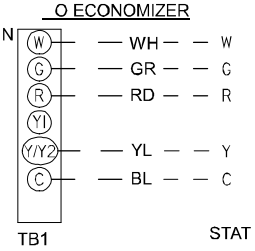
FIELD WIRING
- HIGH VOLTAGE
- LOW VOLTAGE

WIRE CODE

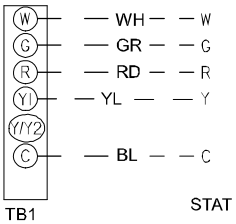
BK	BLACK
BL	BLUE
BR	BROWN
GR	GREEN
OR	ORANGE
PK	PINK
PU	PURPLE
RD	RED
WH	WHITE
YL	YELLOW
BL/PK	BLUE WITH PINK STRIP
YL/PK	YELLOW WITH PINK STRIP

THERMOSTAT FIELD WIRING ++

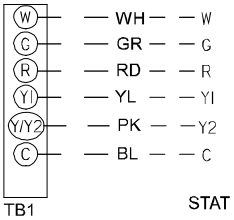
O ECONOMIZER



WITH ECONOMIZER OPTION



2 STAGE COOLING

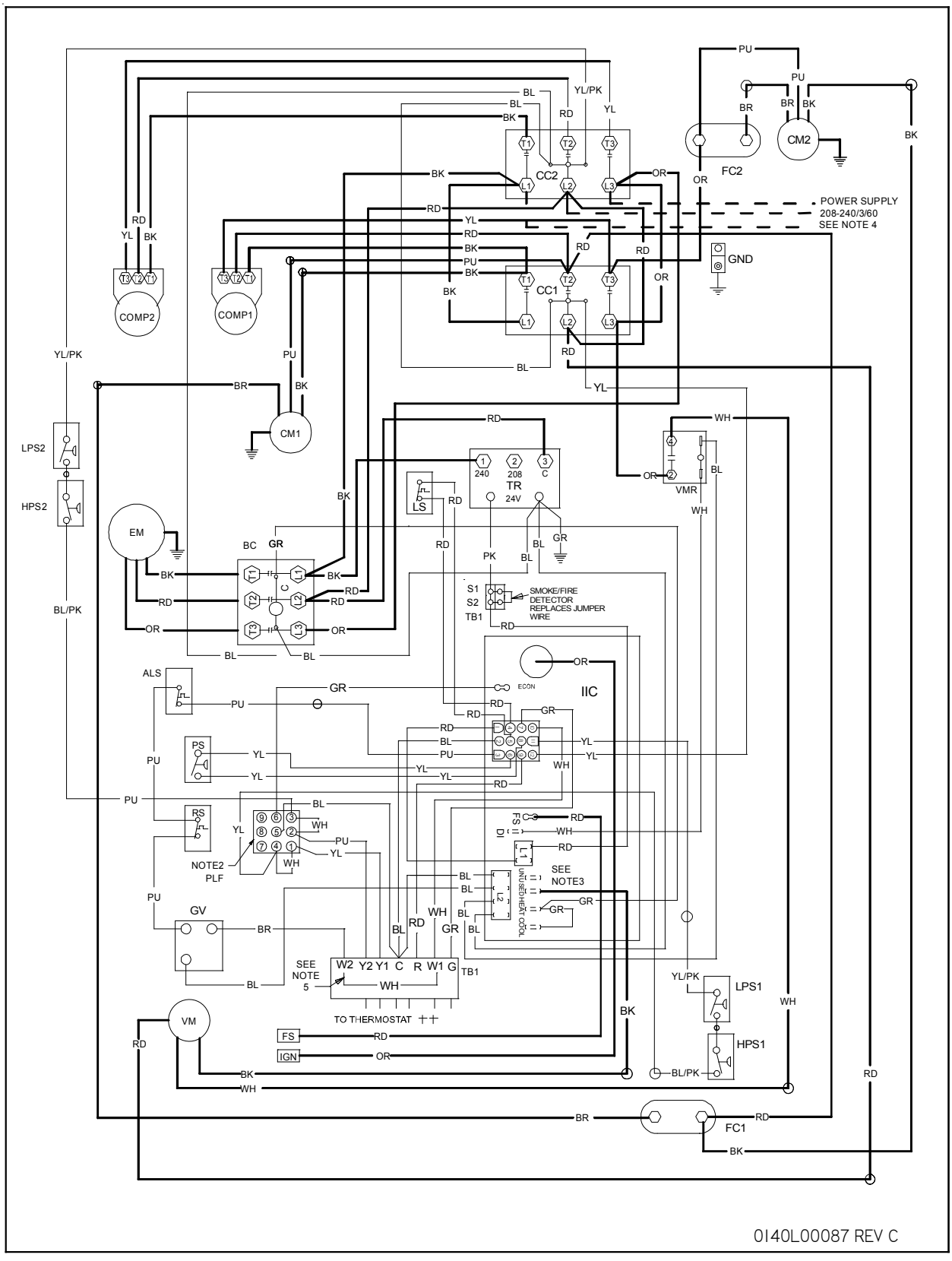


Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.

WARNING

HIGH VOLTAGE!
DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS UNIT. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.

**For models with serial numbers 0907 and below.*



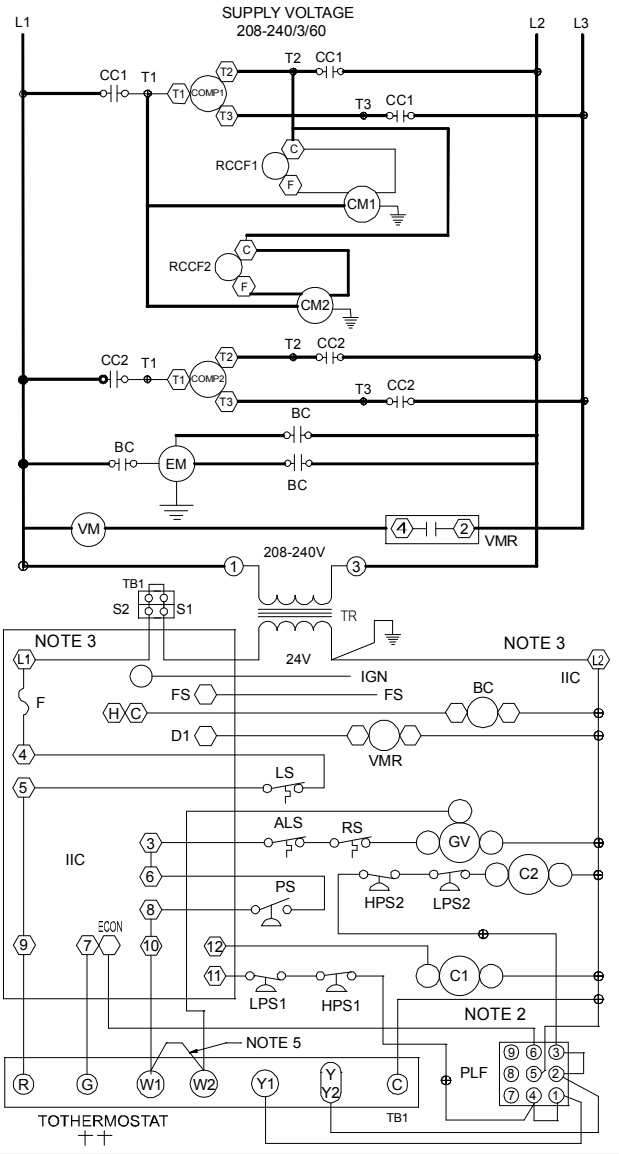
Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.

WIRING DIAGRAMS CPG[090-120]XXX3****

WARNING

HIGH VOLTAGE!
DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS UNIT. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.

**For models with serial numbers 0907 and below.*



COMPONENTLEGEND

ALS	AUXILIARY LIMIT SWITCH
BC	BLOWER CONTACTOR
CC	COMPRESSOR CONTACTOR
CM	CONDENSER MOTOR
COMP	COMPRESSOR
EM	EVAPORATOR MOTOR
F	FUSE
FC	FAN CAPACITOR
FS	FLAME SENSOR
GND	EQUIPMENT GROUND
GV	GAS VALVE
HPS	HIGH PRESSURE SWITCH
IBR	INDOOR BLOWER RELAY
IIC	INTEGRATED IGNITION CONTROL
IGN	IGNITOR
LPS	LOW PRESSURE SWITCH
LS	LIMIT SWITCH
PLF	FEMALE PLUG/CONNECTOR
PS	PRESSURE SWITCH
RS	ROLLOUTSWITCH
TB1	TERMINAL BLOCK (24V SIGNAL)
TR	TRANSFORMER
VM	VENT MOTOR
VMR	VENT MOTOR RELAY

NOTES

1. REPLACEMENT WIRE MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL. (USE COPPER CONDUCTOR ONLY).
2. ACCESSORY ECONOMIZER PLUG ADJACENT TO BLOWER HOUSING IN RETURN AIR COMPARTMENT. REMOVE MALE PLUG AND ATTACH FEMALE PLUG TO THE ECONOMIZER ACCESSORY.
3. L1 AND L2 ON IIC CONTROL IS 24V INPUT.
4. USE COPPER CONDUCTORS ONLY.
   ++ USE NEC CLASS 2 WIRE.
5. FOR TWO STAGE OPERATION REMOVE W1 TO W2 JUMPER WIRE

SEEUNITRATINGPLATEFORTYPEANDSIZE OFOVERCURRENTPROTECTION

208-240/3/60 0140L00088 REV C

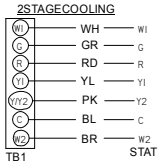
FACTORY WIRING
- LINE VOLTAGE
- LOW VOLTAGE
- OPTIONAL HIGH VOLTAGE

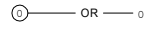
FIELD WIRING
- HIGH VOLTAGE
- LOW VOLTAGE

WIRE CODE

BK	BLACK
BL	BLUE
BR	BROWN
GR	GREEN
OR	ORANGE
PK	PINK
PU	PURPLE
RD	RED
WH	WHITE
YL	YELLOW
YL/PK	YELLOW WITH PINK STRIP
BL/PK	BLUE WITH PINK STRIP

THERMOSTAT FIELDWIRING ++





INSTALLER/SERVICEMAN

THE STATUS LIGHT ON THE FURNACE CONTROL MAY BE USED AS A GUIDE TO TROUBLESHOOTING THIS APPLIANCE. STATUS LIGHT CODES ARE AS FOLLOWS:

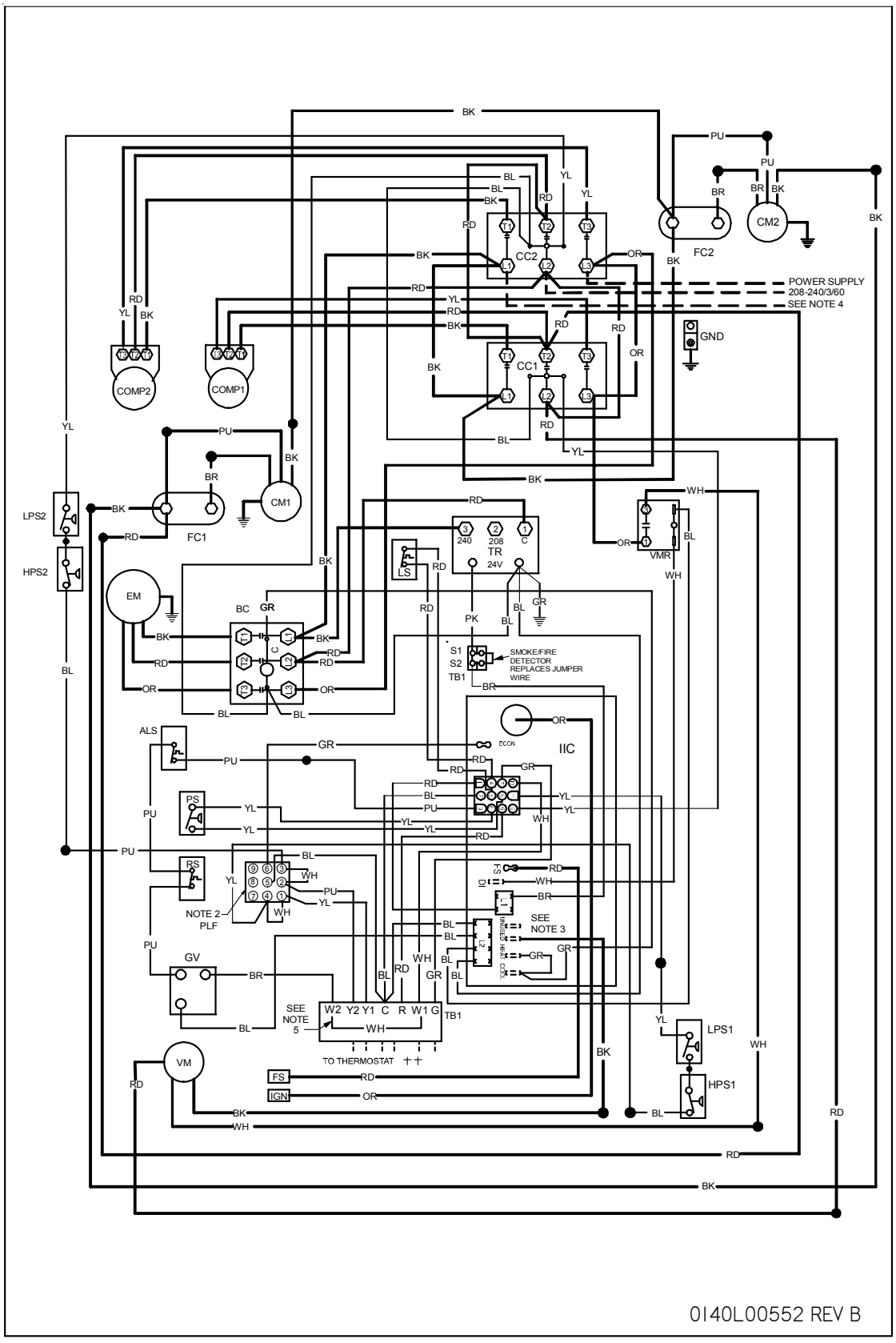
STATUS LIGHT	EQUIPMENT STATUS	CHECK
ON	NORMAL OPERATION	-----
OFF	NO POWER OR INTERNAL CONTROL	CHECK INPUT POWER CHECK FUSE ON CONTROL REPLACE CONTROL
1 BLINK	IGNITION FAILURE OPEN ROLLOUT SWITCH OPEN AUX.LIMIT SWITCH	GAS FLOW GAS PRESSURE GAS VALVE FLAME SENSOR FLAME ROLLOUT BAD SWITCH AUX. LIMIT OPEN
2 BLINKS	PRESSURESWITCH OPEN	CHECK PRESSURE SWITCH
3 BLINKS	PRESSURE SWITCH CLOSED WITHOUT INDUCER ON	CHECK PRESSURE SWITCH
4 BLINKS	OPEN LIMIT SWITCH	MAIN LIMIT OPEN BAD SWITCH
5 BLINKS	FALSE FLAME SENSED	STICKING GAS VALVE
6 BLINKS	COMPRESSOR OUTPUT DELAY	3 MIN. COMP. ANTI-CYCLE TIMER

Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.

WARNING

HIGH VOLTAGE!
DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS UNIT. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.

**For models with serial numbers 0908 and above.*



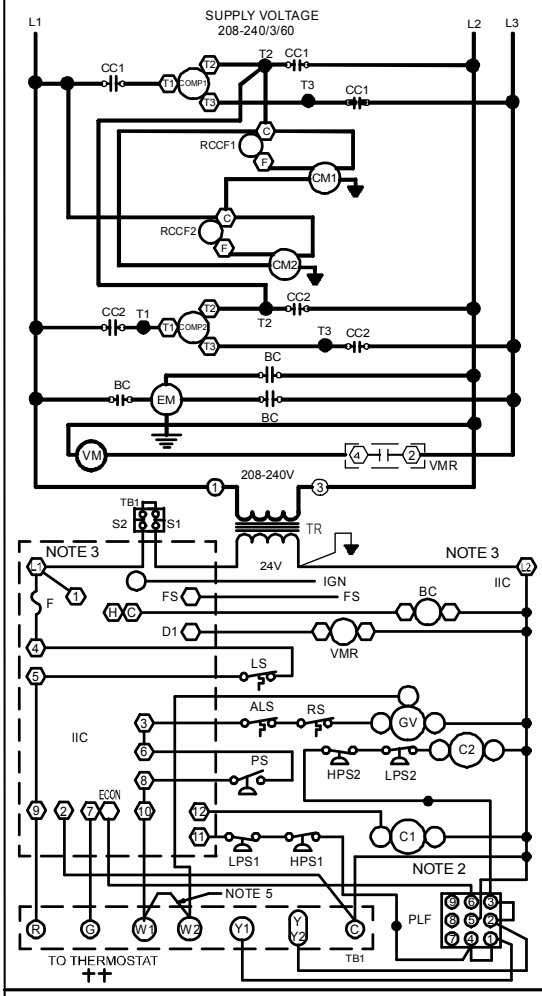
Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.

WIRING DIAGRAMS CPG[090-150]XXX3****

WARNING

HIGH VOLTAGE!
DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS UNIT. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.

**For models with serial numbers 0908 and above.*



INSTALLER/SERVICEMAN

THE STATUS LIGHT ON THE FURNACE CONTROL MAY BE USED AS A GUIDE TO TROUBLESHOOTING THIS APPLIANCE. STATUS LIGHT CODES ARE AS FOLLOWS:

STATUS LIGHT	EQUIPMENT STATUS	CHECK
ON	NORMAL OPERATION	———
OFF	NO POWER OR INTERNAL CONTROL	CHECK INPUT POWER CHECK FUSE ON CONTROL REPLACE CONTROL
1 BLINK	IGNITION FAILURE OPEN ROLLOUT SWITCH OPEN AUX. LIMIT SWITCH	GAS FLOW GAS PRESSURE GAS VALVE FLAME SENSOR FLAME ROLLOUT BAD SWITCH AUX. LIMIT OPEN
2 BLINKS	PRESSURE SWITCH OPEN	CHECK PRESSURE SWITCH
3 BLINKS	PRESSURE SWITCH CLOSED WITHOUT INDUCER ON	CHECK PRESSURE SWITCH
4 BLINKS	OPEN LIMIT SWITCH	MAIN LIMIT OPEN BAD SWITCH
5 BLINKS	FALSE FLAME SENSED	STICKING GAS VALVE
6 BLINKS	COMPRESSOR OUTPUT DELAY	3 MIN. COMP. ANTI-CYCLE TIMER

COMPONENT LEGEND

ALS	AUXILIARY LIMIT SWITCH
BC	BLOWER CONTACTOR
CC	COMPRESSOR CONTACTOR
CM	CONDENSER MOTOR
COMP	COMPRESSOR
EM	EVAPORATOR MOTOR
F	FUSE
FC	FAN CAPACITOR
FS	FLAME SENSOR
GND	EQUIPMENT GROUND
GV	GAS VALVE
HPS	HIGH PRESSURE SWITCH
IBR	INDOOR BLOWER RELAY
IIC	INTEGRATED IGNITION CONTROL
IGN	IGNITOR
LPS	LOW PRESSURE SWITCH
LS	LIMIT SWITCH
PLF	FEMALE PLUG/CONNECTOR
PS	PRESSURE SWITCH
RS	ROLLOUT SWITCH
TB1	TERMINAL BLOCK (24V SIGNAL)
TR	TRANSFORMER
VM	VENT MOTOR
VMR	VENT MOTOR RELAY

NOTES

1. REPLACEMENT WIRE MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL. (USE COPPER CONDUCTOR ONLY).
2. ACCESSORY ECONOMIZER PLUG ADJACENT TO BLOWER HOUSING IN RETURN AIR COMPARTMENT. REMOVE MALE PLUG AND ATTACH FEMALE PLUG TO THE ECONOMIZER ACCESSORY.
3. L1 AND L2 ON IIC CONTROL IS 24V INPUT.
4. USE COPPER CONDUCTORS ONLY.
   ++ USE NEC CLASS 2 WIRE.
5. FOR TWO STAGE OPERATION REMOVE W1 TO W2 JUMPER WIRE
6. FOR 208V OPERATION MOVE BLACK WIRE FROM TERMINAL ③ TO TERMINAL ② ON TRANSFORMER.

SEE UNIT RATING PLATE FOR TYPE AND SIZE OF OVER CURRENT PROTECTION

208-240/3/60 0140L00553 REV B

FACTORY WIRING
- LINE VOLTAGE
- LOW VOLTAGE
- OPTIONAL HIGH VOLTAGE

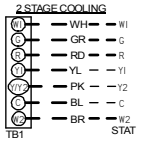
FIELD WIRING
- HIGH VOLTAGE
- LOW VOLTAGE

WIRE CODE

BK	BLACK
BL	BLUE
BR	BROWN
GR	GREEN
OR	ORANGE
PK	PINK
PU	PURPLE
RD	RED
WH	WHITE
YL	YELLOW
YL /PK	YELLOW WITH PINK STRIP
BL /PK	BLUE WITH PINK STRIP

THERMOSTAT FIELD WIRING ++

2 STAGE COOLING

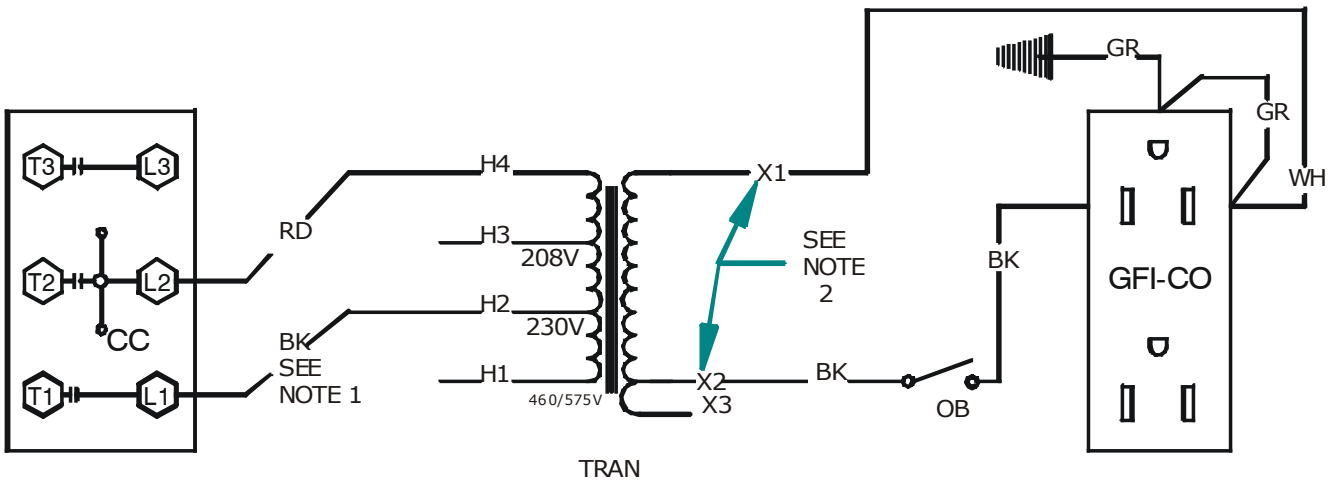


Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.

WARNING

HIGH VOLTAGE!
DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS UNIT. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.

Powered Conv. Outlet



NOTES:

1. FOR 208V OPERATION MOVE BLACK WIRE FROM H2 TO H3 ON TRANSFORMER. 406V AND 575V UNITS WILL LEVE FACTORY WITH BK WIRE CONNECTED TO HI.

2. FOR 575V MODELS, BK WILL GO TO X1 ON TRANSFORMER AND WH WILL GO TO X3.

LEGEND:

CC - COMPRESSOR CONTACT
TRAN - OUTLET TRANSFORMER
OB - OUTLET BREAKER
GFI-CO - GROUND FAULT INTERUPTED - CONVENIENCE OUTLET

0140L00698 REV A

Copyright © 2008 - 2011 Goodman Manufacturing Company, L.P.
5151 San Felipe, Suite 500 ◊ Houston, TX 77056

www.goodmanmfg.com www.amana-hac.com